

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
15473278	4037	4037	7/25/2019	N7403 Air supply fault	N7403 Air supply fault	Removed and replaced ASU unit;; R/R ASU,<div>S/N OFF: MTA- 0-101741086</div><div>NO: MTA-0-101741070 </div>; N7403 air supply fault,Removed asset: 15599220 Removed asset description: AIR SUPPLY UNIT Serial No: 086 Installed Asset: 15489141 Installed Serial : 070 Position:	
15472359	3025	3025	7/25/2019	N7403 Air supply fault	N7403 Air supply fault	N7403 Air supply fault,Removed asset: 15598145 Removed asset description: AIR SUPPLY UNIT Serial No: 078 Installed Asset: 15399677 Installed Serial : 017 Position;; N7403 Air supply fault,removed and replaced asu with bombardier tech alex; Completed R/R ASU, ops good,	
15395582	15600670	114	7/8/2019	AIR SUPPLY UNIT	NO TROUBLE FOUND	Attached Repair Report,	x
15386118	15399677	17	7/4/2019	AIR SUPPLY UNIT	NO TROUBLE FOUND	Attached Repair Reports,	x
15365907	4022	4022	7/1/2019	Replace ASU For Low Oil	AIR COMPRESSOR FAULT	Low Oil,Removed asset: 15396543 Removed asset description: AIR SUPPLY UNIT Serial No: 014 Installed Asset: 15492057 Installed Serial : 068 Position;; Inop per Ted,Removed asset: 15465661 Removed asset description: Inop per Ted Serial No Removed: 17110 Serial No Installed: 19281; R&R ASU and carbody leveling,replaced ASU with TVM 063866, trained with Bombardier tech Ted on performing PM procedure 05E, activity 3: carbody leveling, upon attempting to complete procedure found Y-end RH leveling valve faulty, replaced valve but car is now not within spec on Y-end, will require car height to be done on Y-end again, linkage is loose on RH side valve; ,Per Alex, take the just replaced Y end leveling valve and put it on the X end.... replace both (paired kit) Y end valves. Parts are ordered.; car body leveling,completed carbody leveling procedure, had to replace all 3 leveling valves due to weak response during leveling, car is within spec at this time; R&R ASU and carbody leveling,	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
15365623	3029	3029	7/1/2019	N7403 Air supply fault	N7403 Air supply fault	ASU,<p style="margin-top: 0px; margin-bottom: 0px; color: rgb(0, 0, 0); font-family: Calibri, Helvetica, sans-serif, EmojiFont, "Apple Color Emoji",, "Segoe UI Emoji",, NotoColorEmoji, "Segoe UI Symbol",, "Android Emoji",, EmojiSymbols; font-size: 16px;">Requesting </p><p style="margin-top: 0px; margin-bottom: 0px; color: rgb(0, 0, 0); font-family: Calibri, Helvetica, sans-serif, EmojiFont, "Apple Color Emoji",, "Segoe UI Emoji",, NotoColorEmoji, "Segoe UI Symbol",, "Android Emoji",, EmojiSymbols; font-size: 16px;">ASU 24-04-01-00102</p><p style="margin-top: 0px; margin-bottom: 0px; color: rgb(0, 0, 0); font-family: Calibri, Helvetica, sans-serif, EmojiFont, "Apple Color Emoji",, "Segoe UI Emoji",, NotoColorEmoji, "Segoe UI Symbol",, "Android Emoji",, EmojiSymbols; font-size: 16px;">car 3029</p><p style="margin-top: 0px; margin-bottom: 0px; color: rgb(0, 0, 0); font-family: Calibri, Helvetica, sans-serif, EmojiFont, "Apple Color Emoji",, "Segoe UI Emoji",, NotoColorEmoji, "Segoe UI Symbol",, "Android Emoji",, EmojiSymbols; font-size: 16px;">w/o 15365623</p><p style="margin-top: 0px; margin-bottom: 0px; color: rgb(0, 0, 0); font-family: Calibri, Helvetica, sans-serif, EmojiFont, "Apple Color Emoji",, "Segoe UI Emoji",, NotoColorEmoji, "Segoe UI Symbol",, "Android Emoji",, EmojiSymbols; font-size: 16px;">leaking</p>; leaking oil,Removed asset: 15603280 Removed asset description: AIR SUPPLY UNIT Serial No: 081 Installed Asset: 15490174 Installed Serial : 072 Position;; Replace air supply unit,Replace air supply unit with Bombardier James.; ILCU,<p style="margin-top: 0px; margin-bottom: 0px; color: rgb(0, 0, 0); font-family: Calibri, Helvetica, sans-serif, EmojiFont, "Apple Color Emoji",, "Segoe UI Emoji",, NotoColorEmoji, "Segoe UI Symbol",, "Android Emoji",, EmojiSymbols; font-size: 16px;">Part request</p><p style="margin-top: 0px; margin-bottom: 0px; color: rgb(0, 0, 0); font-family: Calibri, Helvetica, sans-serif, EmojiFont, "Apple Color Emoji",, "Segoe UI Emoji",, NotoColorEmoji, "Segoe UI Symbol",, "Android Emoji",, EmojiSymbols; font-size: 16px;">3029</p><p style="margin-top: 0px; margin-bottom: 0px; color: rgb(0, 0, 0); font-family: Calibri, Helvetica, sans-serif, EmojiFont, "Apple Color Emoji",, "Segoe UI Emoji",, NotoColorEmoji, "Segoe UI Symbol",, "Android Emoji",, EmojiSymbols; font-size: 16px;">ILCU</p><p style="margin-top: 0px; margin-bottom: 0px; color: rgb(0, 0, 0); font-family: Calibri, Helvetica, sans-serif, EmojiFont, "Apple Color Emoji",, "Segoe UI Emoji",, NotoColorEmoji, "Segoe UI Symbol",, "Android Emoji",, EmojiSymbols; font-size: 16px;">24-17-01-00090 </p><p style="margin-top: 0px; margin-bottom: 0px; color: rgb(0, 0, 0); font-family: Calibri, Helvetica, sans-serif, EmojiFont, "Apple Color Emoji",, "Segoe UI Emoji",, NotoColorEmoji, "Segoe UI Symbol",, "Android Emoji",, EmojiSymbols; font-size: 16px;">w/o 15365623</p>; R&R ASU ops checks normal,	
15321558	4022	4022	6/24/2019	TRAINLINE PROBLEM	AIR COMPRESSOR INOPERATIVE	Performed tasks 16 A and C from D-E car PM. No Discrepancies Noted,Performed tasks 16 A and C from D-E car PM after previous TVMs replaced the Y-end coupler MRP valve due to air leak. No Discrepancies Noted. X and Y End Couplers ops check normal.; Peform mainline circulation from HY to Bay fair to Warm springs,Perform ML circulation by coupling 4022 Y-END to 3022 X-END and perform circulation to Bay Fair, Dublin or Warm Springs. and back to Hayward. Don't send the cars through Y or tube. ; M/L circ OK;; M/L Circ. Passed. OK To Release Per. Zelalem,	
15320802	4022	4022	6/24/2019	N6985 Air Suspension Fault	N6985 Air Suspension Fault	Changed MRP valve Y-end,Worked with BT Tech Alex Barron to change out MRP valve on Y-end of Car #4022; Changed MRP valve Y-end,	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
15302833	4022	4022	6/19/2019	N7399 Air Compressor Maintenance Alert	N7399 Air Compressor Maintenance Alert	See 15320802 For Repair.,	
15302803	4036	4036	6/19/2019	N7399 Air Compressor Maintenance Alert	N7399 Air Compressor Maintenance Alert	Verified Operation Is Ok For Revenue.,Worked with Alex - Bombardier. Oil level is good and no leak evident. System is operating normally right now.	
15212114	4001	4001	5/31/2019	ASU Safety Valve Failed PM Check. Replace At Next Shop Visit.	SAFETY VALVE ASU PROBLEM	Completed R/R Valve,	
15211765	15595960	74	5/31/2019	AIR SUPPLY UNIT	N7399 Air Compressor Maintenance Alert	Attached Repair Reports,	x
15207135	3024	3024	5/30/2019	N7399 Air Compressor Maintenance Alert	N7399 Air Compressor Maintenance Alert	R&R ASU,Unable to adjust pressure to correct range with Bombardier technician JimPedriani present. Replaced ASU unit. Verified oil level and correct pressures.; FAILED TO BUILD PRESSURE,Removed asset: 15595960 Removed asset description: AIR SUPPLY UNIT Serial No: 074 Installed Asset: 15483367 Installed Serial : 052 Position;; Install/Remove,Removed asset: 15483367 Removed asset description: AIR SUPPLY UNIT Serial No: 052 Position:	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
15199229	15488735	50	5/28/2019	AIR SUPPLY UNIT	NO TROUBLE FOUND	Attached Repair Report,	x
15176743	3024	3024	5/22/2019	N7403 Air supply fault	N7403 Air supply fault	Air Compressor Initial High Pressure setting was at 135psi. Raised to 147psi. Rechecked.,; Ordered ASU - Unable To Build Enough Pressure Per Jim Bombardier Tech.,; See WO 15207135 For Repair,	
15159392	4028	4028	5/18/2019	ASU PM service incomplete due to parts NIS	AIR COMPRESSOR INOPERATIVE	Completed ASU PM service incomplete due to parts NIS,	
15148184	15486798	0	5/16/2019	AIR SUPPLY UNIT	NO TROUBLE FOUND	Close work order,Attached repair report and closed workorder.	x
15139486	4003	4003	5/14/2019	N7399 Air Compressor Maintenance Alert	N7399 Air Compressor Maintenance Alert	Low Oil Level,Oil level below minimum. Oil Leaking from air intake.; Leaking,Removed asset: 15400543 Removed asset description: AIR SUPPLY UNIT Serial No: 011 Position;; leaking,Installed Asset: 15600034 Installed Serial : 087 Position;; Unable to input Compressor into Materials,Location Error Pop-up, was unable to move item and input into Actuals/Materials; removed and replaced air compressor,	
15135465	15483367	52	5/13/2019	AIR SUPPLY UNIT	AIR COMPRESSOR INOPERATIVE	Attached Repair Report,	x
15127913	4030	4030	5/10/2019	ASU Oil Leak	AIR COMPRESSOR INOPERATIVE	Removed and Replaced ASU for oil leak;; R & R ASU;; oil leak,Removed asset: 15483367 Removed asset description: AIR SUPPLY UNIT Serial No: 052 Installed Asset: 15483773 Installed Serial : 038 Position:	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
15110568	15600034	87	5/6/2019	AIR SUPPLY UNIT	NO TROUBLE FOUND	Attached Repair Report,	x
15102846	4039	4039	5/3/2019	ASU Mechanical Failure	AIR COMPRESSOR INOPERATIVE	Mechanical Failure under warranty,Removed asset: 15600034 Removed asset description: AIR SUPPLY UNIT Serial No: 087 Installed Asset: 15488735 Installed Serial : 050 Position:; R/R ASU,	
15097782	15491245	63	5/2/2019	AIR SUPPLY UNIT	AIR COMPRESSOR NOISE	Repair Report Attached,	x
15071807	15593997	66	4/29/2019	AIR SUPPLY UNIT	AIR COMPRESSOR FAULT	Repair Report Attached,	x
15071762	4029	4029	4/29/2019	Air Supply Unit is leaking oil.	AIR COMPRESSOR NOISE	R/R ASU,; LEAKING OIL,Removed asset: 15491245 Removed asset description: AIR SUPPLY UNIT Serial No: 063 Installed Asset: 15605600 Installed Serial : 123 Position:	
15071759	15482426	48	4/29/2019	AIR SUPPLY UNIT	AIR COMPRESSOR FAULT	Repair Report Attached,	x
15045354	15400110	9	4/23/2019	AIR SUPPLY UNIT	NO TROUBLE FOUND	Attached Repair Report,	x
15036331	3015	3015	4/19/2019	D CAR REVENUE	AIR COMPRESSOR FAULT	Air compressor condemned due to excessive leak. Ordered and set to arrive Sat 4/20,; Removed air compressor,<div>Removed and replaced air compressor</div><div>061706</div>; Air compressor condemned due to excessive leak.,Removed asset: 15482426 Removed asset description: AIR SUPPLY UNIT Serial No: 048 Installed Asset: 15487140 Installed Serial : 032 Position:; Replaced ASU and performed functional check. Suspension check was good,Removed asset: 15482426 Removed asset description: AIR SUPPLY UNIT Serial No: 048 Installed Asset: 15487140 Installed Serial : 032 Position:; Install only, correcting SN# 124,Installed Asset: 15605516 Installed Serial : 124 Position:	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
15032114	4002	4002	4/18/2019	N7399 Air Compressor Maintenance Alert	N7399 Air Compressor Maintenance Alert	N7399 Air Compressor Maintenance Alert,Removed asset: 15400110 Removed asset description: AIR SUPPLY UNIT Serial No: 009 Installed Asset: 15605513 Installed Serial : 125 Position;; Replaced ASU Assy,	
15031471	4028	4028	4/18/2019	N7403 Air supply fault	N7403 Air supply fault	REPLACED ASU PER JASON RILEY (BOMARDIER),; LEAKING OIL,Removed asset: 15593997 Removed asset description: AIR SUPPLY UNIT Serial No: 066 Position;; Install/Swap only, ASU SN#32,Installed Asset: 15487140 Installed Serial : 032 Position:	
14989426	15487140	32	4/9/2019	AIR SUPPLY UNIT	AIR COMPRESSOR INOPERATIVE	Attached Repair Report,	x
14984564	3004	3004	4/8/2019	ASU Found Leaking And Low On Oil	AIR COMPRESSOR INOPERATIVE	R&R ASU,Found ASU leaking and low on oil on PM 3. Replaced unit.; leaking,Removed asset: 15487140 Removed asset description: AIR SUPPLY UNIT Serial No: 032 Position:	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
14979140	4031	4031	4/5/2019	Re check Air compressor after 100 hrs of use from rebuilt install (Bombardier request)	LOW AIR SUPPLY ANNUNCIATOR	<div>24-04-01-00102 ASU needed for Car 4031 in Concord,</div> <div>Hello Gentlemen,</div> <div>
</div> <div>We have a bad ASU that has failed after 68 hours.</div> <div>24-04-01-00102
</div> <div>WO 14979140</div><div style="margin: 0px; padding: 0px; border: 0px; font-variant-numeric: inherit; font-variant-east-asian: inherit; font-stretch: inherit; font-size: 16px; line-height: inherit; font-family: "Segoe UI", "Segoe UI Web (West European)", "Segoe UI", -apple-system, BlinkMacSystemFont, Roboto, "Helvetica Neue", sans-serif; vertical-align: baseline; color: rgb(50, 49, 48);">SN 0052</div><div style="margin: 0px; padding: 0px; border: 0px; font-variant-numeric: inherit; font-variant-east-asian: inherit; font-stretch: inherit; font-size: 16px; line-height: inherit; font-family: "Segoe UI", "Segoe UI Web (West European)", "Segoe UI", -apple-system, BlinkMacSystemFont, Roboto, "Helvetica Neue", sans-serif; vertical-align: baseline; color: rgb(50, 49, 48);">leakage</div><div style="margin: 0px; padding: 0px; border: 0px; font-variant-numeric: inherit; font-variant-east-asian: inherit; font-stretch: inherit; font-size: 16px; line-height: inherit; font-family: "Segoe UI", "Segoe UI Web (West European)", "Segoe UI", -apple-system, BlinkMacSystemFont, Roboto, "Helvetica Neue", sans-serif; vertical-align: baseline; color: rgb(50, 49, 48);">I have placed the ASU on the plans</div></div> <div>leakage after 68 days,Removed asset: 15486798</div> <div>Removed asset description: AIR SUPPLY UNIT</div> <div>Serial No: 054</div> <div>Installed Asset: 15400110</div>	
14975009	15492057	68	4/4/2019	AIR SUPPLY UNIT	NO TROUBLE FOUND	Repair Report Attached,	x
14974994	15491651	84	4/4/2019	AIR SUPPLY UNIT	N7403 Air supply fault	Repair Report Attached,	x
14964774	4031	4031	4/2/2019	N7399 Air Compressor Maintenance Alert	N7399 Air Compressor Maintenance Alert	<div>N7399 Air Compressor Maintenance Alert,Removed asset: 15492057</div> <div>Removed asset description: AIR SUPPLY UNIT</div> <div>Serial No: 068</div> <div>Position;; R&R Air comp,Unit came with no oil, installed oil</div>	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
14940705	4013	4013	3/29/2019	Check ASU Oil Level On Next Shop Visit	LOW AIR SUPPLY ANNUNCIATOR-INTERMITTENT	ASU level is found to be between min and max.,	
14939729	4030	4030	3/29/2019	N7403 Air supply fault	N7403 Air supply fault	See notes below,BT James checked system and found slight leaks from the compressor, N3399 Air compressor maintenance alert was found in the logs. Car needs to come into the shop for further inspection. ; Found ASU Leaking,Verified by Alex From Bombardier - ASU leaking. Ordered from Jonathan. AWP.; R/R ASU,; R/R ASU,; Inop,Removed asset: 15491651 Removed asset description: AIR SUPPLY UNIT Serial No: 084 Installed Asset: 15483367 Installed Serial : 052 Position:	
14936547	15489141	70	3/28/2019	AIR SUPPLY UNIT	AIR COMPRESSOR INOPERATIVE	Repair Report Attached,	x
14931255	15483367	52	3/27/2019	AIR SUPPLY UNIT	AIR COMPRESSOR INOPERATIVE	Attached Repair Report,	x
14875805	4027	4027	3/14/2019	Air Compressor spewing Oil/Low fluid	AIR COMPRESSOR INOPERATIVE	Air Compressor spewing Oil/Low fluid,Removed and replaced ASU; R&R ASU.,; Air Compressor spewing Oil/Low fluid,Removed asset: 15489141 Removed asset description: AIR SUPPLY UNIT Serial No: 070 Installed Asset: 15600673 Installed Serial : 003 Position:	
14870918	4011	4011	3/13/2019	ASU check after 100 hrs (See the Long Description) CK BAD!	AIR COMPRESSOR FAULT	leaking oil,Removed asset: 15490174 Removed asset description: AIR SUPPLY UNIT Serial No: 072 Position;; install only,Installed Asset: 15605642 Installed Serial : 122 Position;; replaced asu ck good per BT Jason,	
14870339	15461818	36	3/13/2019	AIR SUPPLY UNIT	AIR COMPRESSOR INOPERATIVE	Repair Report Attached,	x
14866138	4011	4011	3/12/2019	Air Supply Unit Purging Oil from air exhaust/Low Fluid	AIR COMPRESSOR INOPERATIVE	Replaced ASU,Replaced ASU. Note, replacement ASU had large amount of oil residue prior to installation, informed manager. Verified operation.; Completed R/R Air Comp,; Air Supply Unit Purging Oil from air exhaust/Low Fluid,Removed asset: 15461818 Removed asset description: AIR SUPPLY UNIT Serial No: 036 Installed Asset: 15490174 Installed Serial : 072 Position:	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
14865469	4025	4025	3/12/2019	ASU Found Leaking On PM 1	AIR COMPRESSOR INOPERATIVE	Replaced ASU On WO 14766317,See work order 14766371 for ASU replacement.	
14861648	15486798	54	3/11/2019	AIR SUPPLY UNIT	AIR COMPRESSOR FAULT	attached repair report,	x
14841016	4016	4016	3/5/2019	Replace ASU Safety Valve On Next Visit.	AIR COMPRESSOR RUNS CONTINUOUSLY	Replaced ASU Safety Valve with new part,, Completed R/R Valve,	
14902968	4023	4023	3/1/2019	ASU oil level at min and has residue on bottom	AIR COMPRESSOR INOPERATIVE	ASU oil level at min and has residue on bottom,Removed and replaced ASU; ASU oil level at min and has residue on bottom,Removed asset: 15483367 Removed asset description: AIR SUPPLY UNIT Serial No: 052 Position;; Removed and replaced ASU,, ASU oil level at min and has residue on bottom,Installed Asset: 15600670 Installed Serial : 114 Position:	
14782851	4014	4014	2/22/2019	ASU Saftey Valve Failed Test Procedure	AIR COMPRESSOR INOPERATIVE	INSTALLED SAFETY VALVE,	
14719212	4015	4015	2/8/2019	ASU Safety Valve Intermittently Does Not Retract	SAFETY VALVE ASU PROBLEM	R/R SAFETY VALVE WITH ROJJATE,	
14715333	15487794	55	2/7/2019	AIR SUPPLY UNIT	AIR COMPRESSOR RUNS CONTINUOUSLY	Repair Report Attached,	x
14714883	3018	3018	2/7/2019	ASU Leaking Oil	AIR COMPRESSOR RUNS CONTINUOUSLY	Leaking Oil,Removed asset: 15487794 Removed asset description: AIR SUPPLY UNIT Serial No: 055 Installed Asset: 15412780 Installed Serial : 13 Position;; Completed, R/R ASU,	
14685244	15488735	50	2/1/2019	AIR SUPPLY UNIT	NO TROUBLE FOUND	Attached Repair Report,	x

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
14684552	4026	4026	2/1/2019	ASU Leaking	AIR COMPRESSOR INOPERATIVE	ASU Leaking Per Foreworker,Removed asset: 15488735 Removed asset description: AIR SUPPLY UNIT Serial No: 050 Installed Asset: 15455372 Installed Serial : 031 Position;; ASU Replaced. Needs Ops Check After APSE Power Unit Is Replaced.,ASU replaced by Brandon 062352; R/R ASU due to oil leak,R/R ASU due to oil leak. Oil level is good. Ready for ops ckeck.; ASU Leaking,removed and replaced asu due to oil leak and performed operational check.	
14632068	15490174	72	1/22/2019	AIR SUPPLY UNIT	NO TROUBLE FOUND	Attach report,Attach repair report to close out work order.	x
14631919	3020	3020	1/22/2019	ASU Leaking Oil	AIR COMPRESSOR INOPERATIVE	ASU leaking oil.,Verified ASU leaking oil during operation. Replaced ASU assembly w/ bombardier technician. Performed OPS check and verified high/low pressure settings within spec. ASU working properly following replacement.; Leaking Oil,Removed asset: 15490174 Removed asset description: AIR SUPPLY UNIT Serial No: 072 Position;; Replaced ASU,, Leaking Oil,Installed Asset: 15456414 Installed Serial : 015 Position:	
14626965	15483773	38	1/21/2019	AIR SUPPLY UNIT	NO TROUBLE FOUND	Attached Repair Report,	x
14626627	4010	4010	1/21/2019	ASU Safety Valve Leaking	AIR COMPRESSOR NOISE	Replaced ASU Valve,	
14621280	4010	4010	1/18/2019	Perform ASU service At Next Shop Visit	MOD CARBODY COMPLETION	Completed On 15061147,	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
14611448	4022	4022	1/17/2019	N7403 Air supply fault	N7403 Air supply fault	,With shop power over inspection pit, could not get power cable all the way in. Compressor would not go over 130 psi. Disconnecting quick connect before leveling valve, no air was coming out of fitting. Needs to come into shop for compressor and suspension control unit inspection.; out of oil and pressure output was 130 max,Removed asset: 15483773 Removed asset description: AIR SUPPLY UNIT Serial No: 038 Installed Asset: 15396543 Installed Serial : 014 Position;; Car Height out of specs.,Checked Car Height after installing ASU, found car is leaning, door set 1 (39 1/4), set 5 (39 3/4) and door set 2/6 (38 1/4). Unable to make adjustments as George from Mitsubishi was changing C/B in the APSE.; R&R ASU (Low Oil),R&R ASU (Bombardier Alex) per specifications. Low pressure set from factory at 120 PSI, set high side to 145 PSI.; Car is leaning to the left hand side.,X end leveling valve and Y end left hand side leveling valves have failed. The arms do not level out and they fill very slow, ordered all 3 from bombardier. Waiting on parts as there is no bombardier tech on site.; BAD,Removed asset: 15465661 Removed asset description: BAD Serial No Removed: 12155 Serial No Installed: 18230; Replaced ASU - No Oil.,; Replaced left side leveling valve.,Set air bag height and checked car height. All in spec.; iNOP,Removed asset: 15484164 Removed asset description: iNOP Serial No Removed: 18007 Serial No Installed: 16009; Replaced LH Leveling valve, set car and bag height to spec.,; R/R ASU , R/R LEVELLING VALVE LEFT SET . FOR CAR HEIGHT,	
14571173	3003	3003	1/6/2019	Air Comp Leaking Oil	AIR COMPRESSOR INOPERATIVE	Air compressor oil separator degraded and oil soaked,<div>Air compressor oil separator found degraded and oil soaked.</div><div>Pieces of oil separator cloth found in oil separator housing </div><div>Will be replaced when parts are found per Bombardier tech Alex </div>; Air compressor removed and replaced;; Air compressor removed and replaced;; Air Comp Leaking Oil,Removed asset: 15398633 Removed asset description: AIR SUPPLY UNIT Serial No: 008 Position;; install only,Installed Asset: 15399677 Installed Serial : 017 Position:	
14462650	3009	3009	12/10/2018	Air Compressor Leaking Oil	AIR COMPRESSOR INOPERATIVE	See 14455575 For Serial Numbers. Replaced ASU.,; Task W/O # 14458313,	
14462505	15455372	31	12/10/2018	AIR SUPPLY UNIT	AIR COMPRESSOR INOPERATIVE	Attached Repair Report,Attached the repair report and closed out the work order.	x
14326291	15412780	13	11/6/2018	AIR SUPPLY UNIT	AIR CONDITIONING COMPRESSOR LEAKING	Attached Repair Report,	x

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
14322080	3004	3004	11/5/2018	TOWER REPORTS AIR SUPPLY FAULT	AIR COMPRESSOR FAULT	TOWER REPORTS AIR SUPPLY FAULT,<div>Worked with Alex, Bombardier Tech</div><div> </div><div>No visible oil engaged in air compressor, compressor never slowed down</div>; Air supply fault.,Removed air compressor from car 3004, could not reinstall due to not having any hardware. Whoever installed this unit used SAE nuts on the metric bolts and all the threads were compromised. Waiting on parts from bombardier..; No visible oil engaged in air compressor, compressor never slowed down,Removed asset: 15412780 Removed asset description: AIR SUPPLY UNIT Serial No: 13 Position;; Replaced ASU.,; Install only,Installed Asset: 15487140 Installed Serial : Position:	
14166351	15396543	14	9/30/2018	AIR SUPPLY UNIT	NO TROUBLE FOUND	Attach Repair Report,Attached repair report to close work order	x
14157120	3001	3001	9/27/2018	Air Compressor Oil Leak	AIR PRESSURE LOW FAULT	Air Compressor Oil Leak,still leaks oil removed rear of compressor to inspect seals . all ok recommend replace unit ; Air Compressor Oil Leak,Removed asset: 15396543 Removed asset description: AIR SUPPLY UNIT Serial No: 014 Installed Asset: 154626430 Installed Serial : 044 Position;; Replace Air Compressor,	
14110921	4005	4005	9/24/2018	Air Compressor Fault	LOW AIR SUPPLY ANNUNCIATOR	Air Compressor Fault,Found loose pin in transducer connector causing to loose pressure signal to the drive. Tighten pins, pull and wiggle tested it. Values are solid on the ptu. ; Found Loose Pin. Tightened To Spec. OK Now.,	
13950550	15456414	15	8/16/2018	AIR SUPPLY UNIT	AIR COMPRESSOR INOPERATIVE	Attach Repair Report,Attached repair report to close work order.	x
13942726	3005	3005	8/14/2018	Oil spewing from air compressor. Oil at minimum level.	AIR COMPRESSOR INOPERATIVE	Oil spewing from air compressor. Oil at minimum level.,Air compressor need to be changed out due to manufacturers defect. Checked high and low pressure and they are good. Compressor makes a hissing noise out of the case. Oil looks like it is possibly coming out of the same place the hissing noise is coming from.; Replaced air compressor and set specs. Operation ok now.,; per tech, Oil spewing from air compressor. Oil at minimum level.,Removed asset: 15456414 Removed asset description: AIR SUPPLY UNIT Serial No: 015 Position;; Install S/N 025,Installed Asset: 15400976 Installed Serial : 025 Position:	
13933297	3007	3007	8/10/2018	AIR COMPRESSOR OPERATION NEED TO CHECK DURING THE NEXT VISIT TO SHOP PER MANAGEMENT	AIR COMPRESSOR FAULT	Normal Operation Found,Operation normal as of November 20th	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
13929969	3007	3007	8/9/2018	Air Compressor varification of pressure	AIR COMPRESSOR INOPERATIVE	ADJUSTED BACK UP PRESSURE .OP CHECK OK .R/R AIR COMPRESSOR,CREATED PRIORITY -9 FOR RECHECKING THE AIR COMPRESSOR DURING THE NEXT SHOP VISIT .	
13925437	15457456	21	8/8/2018	AIR SUPPLY UNIT	NO TROUBLE FOUND	Attach Repair Report,Attached repair report to close out work order	x
13921852	3007	3007	8/7/2018	Air compressor Spewing oil	AIR COMPRESSOR INOPERATIVE	Air compressor Spewing atomized oil.,Air compressor has a major leak from the high pressure adjustment block. It is spewing atomized oil all over the place. Air compressor needs to be changed out per bombardier tech Jason K.; oil is blowing out of fitting per tech.,Removed asset: 15457456 Removed asset description: AIR SUPPLY UNIT Serial No: 021 Installed Asset: 15453477 Installed Serial : 018 Position;; R/R air compressor. No adjustment needed for back pressure;; R/R AIR COMPRESSOR , NO ADJUSTMENT NEEDED FOR THE BACK PRESSURE.,; R/R AIR COMPRESSOR , NO ADJUSTMENT NEEDED FOR THE BACK PRESSURE.,	
13866195	4006	4006	7/25/2018	Oil Leak Watch Item - Check at Next Shop Visit - See Description	AIR COMPRESSOR INOPERATIVE	,During the PM3 we found no oil leak on the ASU. No active leaks found at this time.	
13843953	15399677	17	7/19/2018	AIR SUPPLY UNIT (ASU)	NO TROUBLE FOUND	Attach Repair Report,Attached repair report to close work order	x
13839834	4001	4001	7/18/2018	N7399 Air Compressor Maintenance Alert	N7399 Air Compressor Maintenance Alert	R&R defective Air Compressor,R&R defective Air Compressor under the supervision of Bombardier Engineer Alex. ; failed,Removed asset: 15399677 Removed asset description: AIR SUPPLY UNIT Serial No: 017 Installed Asset: 15453474 Installed Serial : 010 Position;; Completed R/R of compressor, backpressure set by BT Alex.,	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
13209887	3004	3004	2/15/2018	N7399 Air Compressor Maintenance Alert	N7399 Air Compressor Maintenance Alert	<p>N7399 Air Compressor Maintenance Alert,Bombardier Tech Jason Riley: The air compressor pressure 110-150 psi, idols at 150psi and purges at 110 which is normal. No adjustment needed, no faults, cycled approximately 5 to 6 times from 208 every 10-15 minutes. Verified CDP make sure there were no ASU faults related the air compressor. ; N7399 Air Compressor Maintenance Alert,Per Engineer Jim Laguardia request to replace air compressor.; ,after compressor replacement air leak in system .; N7399 Air Compressor Maintenance Alert,Robert, Brian and David while working with Jason Kellay,Tech from Bombardier, swapped</p> <p>air compressor serial #007 and installed compressor #013. set min. pressure to 120 psi. checked for leaks and found 3 bad blow off valves. went from 147 to 134 after 10 min.; Document from Bombardier dated 2-16-18, back page paragraph 1,<div>Note this document is being transcribed by David Lockwood.. Author of document is unknown.</div></p> <p><div>"power to verify the pressure setting. The pressure setting are supposed to be set at 110-150 psi. The ASU was reading at 150 psi idle and a purge of 110 psi. The ASU from a physical inspect is nominal. I waited about 15-20 min while the ASU did it cycle and then off. The second activity I performed was to see if any ASU fault appear on CDP and no fault appear on CDP."</div>; Document from Bombardier dated 2-16-18, back page paragraph 2,<div>Note this document is being transcribed by David Lockwood.. Author of document is unknown.</div><div>"3004- prior shift change ASU </div><div>PTU pressure checks show no overpressure or under pressure- transducer matches the pressure on the guage</div><div>leak checks don't confirm prior assessment to leaks- </div><div>PTU chart recording of pressure over 30 mites (sic) shows loss to be less than 2 psi on system- </div><div>Ran ASU till time out fault and repeated </div><div>Fin temp never exceeded fault values" </div>; Working with Bombardier rep,I was assigned to work with Jason Kelley. I was instructed to replace a leaking pressure relief valve. I installed the valve provided to me by Jason Kelley. After installation ASU system was pressurized and system tested for leaks. I observed Jason Kelley applying snoop leak check fluid to the pressure relief valve. Bubbles appeared from the valve. Jason performed a system leak check. He had a digital pressure meter applied to the ASU test port. He ran a 10 minute leak check. I observed the pressure drop from approximately 146 psi down to 134 psi in the time of the test. Jason indicated the pressure relief valve was bad. I observed Jason making phone calls to find another pressure relief valve. His shift was ending soon. Another tech was coming out with replacement part; Working with Bombardier rep #2,New Bombardier techs came out to install replacement pressure relief valve. David Jones and Jason Riley. I was assigned to help as needed. I observed David Jones with a laptop computer running tests on the ASU unit. He pressurized system and used his laptop to observe pressure drop over time with a computerized program to test the system. Dave Jones indicated after 30 minutes he observed a very small drop in pressure. This did not agree with previous testing by other Jason Riley. He continued running test on the system trying to get the ASU to have some fault. To my knowledge he could not duplicate the problem found by</p>	
13196526	3004	3004	2/13/2018	AIR COMPRESSOR INOP	LOW AIR SUPPLY ANNUNCIATOR	<p>AIR COMPRESSOR INOP,<div>Turned off ACCB4 208 voltage circuit breaker, and low voltage CB345 circuit breaker</div><div>Let sit for 10 minutes to allow the caps to discharge</div><div>Turned on both low voltage and high voltage CBs and the air compressor came up </div><div>Air compressor is now operational </div><div>per bombardier tech </div>; APSE 208 shop power receptacle cover damaged,<div>APSE 208 shop power receptacle cover was not making good contact with interlock</div><div>Not allowing car to receive 208V </div><div>Battery dropped below 28V, and car dies</div><div>Cover is now making contact with interlock </div><div>Awaiting parts from Mitsubishi to fix cover</div><div>per bombardier tech</div>; Completed Air Comp,APSE 208 shop power receptacle cover was not making good contact with interlock. Secured Door With Temp Fix. Cover Is AWP At This Time. Ok For Service Per Jason Kelly Bombardier Tech</p>	
13184251	4004	4004	2/8/2018	PERFORM ASU BACK PRESSURE ADJUSTMENT.	AIR COMPRESSOR NOISE	PERFORMED ASU BACK PRESSURE ADJUSTMENT.,; Completed ASU adjustment,	
13184249	4003	4003	2/8/2018	PERFORM ASU BACK PRESSURE ADJUSTMENT.	AIR COMPRESSOR NOISE	PERFORMED ASU BACK PRESSURE ADJUSTMENT.,; Completed ASU adjustments,	

WONUM	ASSETNUM	SERIALNUM	REPORTDATE	WO_DESCR	DESCRIPTION	Log_notes	Attachment
13184248	4002	4002	2/8/2018	PERFORM ASU BACK PRESSURE ADJUSTMENT.	AIR COMPRESSOR FAULT	ASU Back Pressure Adjustment to 120 psi. checked the oil level was full. Per Bombadier Dan.,Completed.; PERFORM ASU BACK PRESSURE ADJUSTMENT.,ASU Back Pressure Adjustment to 120 psi. checked the oil level was full. Per Bombadier Dan.	
13184245	4001	4001	2/8/2018	PERFORM ASU BACK PRESSURE ADJUSTMENT.	AIR COMPRESSOR FAULT	Top off compressor oil and adjust pressure gauge.,; PERFORM ASU BACK PRESSURE ADJUSTMENT.,ASU back pressure at 160psi adjusted to 120psi, oil level at 50% filled to max. per David Jones.	
13184243	3003	3003	2/8/2018	PERFORM ASU BACK PRESSURE ADJUSTMENT.	AIR COMPRESSOR FAULT	PERFORM ASU BACK PRESSURE ADJUSTMENT.,ASU back pressure not needed-120psi @ 40% oil level, topped off oil level per Dave Jones.	
13184240	3002	3002	2/8/2018	PERFORM ASU BACK PRESSURE ADJUSTMENT.	AIR COMPRESSOR FAULT	ASU Back Pressure Adjustment to 120 psi. checked oil level was full. Per bombardier Dan.,Completed.; PERFORM ASU BACK PRESSURE ADJUSTMENT.,ASU Back Pressure Adjustment to 120 psi. checked oil level was full. Per bombardier Dan	
13184201	4005	4005	2/8/2018	Perform ASU back pressure adjustment	AIR COMPRESSOR NOISE	Under supervision of Bombardier tech, Alex, found back pressure at 100psi. Adjusted to 120psi. Fun,; Tested and adjusted ASU back pressure to spec.,	
13184200	3001	3001	2/8/2018	Perform ASU back pressure adjustment	SUSPENSION X-END	Under supervision of Bombardier tech, Alex, found back pressure at 100psi. Adjusted to 120psi. Fun,; Checked and adjusted ASU back pressure,	
13166583	4006	4006	2/3/2018	AIR PRESSURE LOW FAULT	AIR PRESSURE LOW FAULT	Air Compressor leaking oil.,Checked Air compressor oil level with Robin Lanoue from Bombarider and it is at the correct level. Set pressure regulator to 120 psi as instructed by Bombarider representative.; Air Compressor Oil At Correct Level,	
13166557	3004	3004	2/3/2018	Air Compressor Leaking Oil	AIR COMPRESSOR NOISE	Air Compressor is leaking oil,Checked Air compressor oil level with Robin Lanoue from Bombarider and it is low. Filled compressor with supplied oil from Bombarider to the correct level. Set pressure regulator to 120 psi as instructed by Bombarider representative; Check car height.,Checked and adjusted car height with X-end leveling valve. After adjusting checked and verified car height with engineer from BART.; Air compressor,Checked Air compressor oil level with Robin Lanoue from Bombarider and it is low. Filled compressor with supplied oil from Bombarider to the correct level. Set pressure regulator to 120 psi as instructed by Bombarider representative	
13164636	4003	4003	2/2/2018	AIR LEAKING	AIR COMPRESSOR NOISE	air leak,Dave jones and Mathew swiss, ran the air compressor to fill up the resorfor to 150 psi, and checked for leaks on x-end and y-end and nothing found. Could not hear any leaks.; Dave jones and Mathew swiss, ran the air compressor to fill up the resorfor to 150 psi, and checked,ok to release by David jones and Gabriel f suspecting caused by other car .; ,	

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009092	08/10/2018	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019129 0001	Customer ID	BOM006	
Part Number	Part Description	Customer Ref		
R-001066	Return BART ASU S/N 017			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. No pressure and Noise"
- b. Train operator reports code N7399: Air Compressor Maintenance Alert, with air supply fault.
- c. Removed from car 4001
- d. Car had 1078 hours recorded at time of removal
- e. BT work order 7112375 dated July 19 to remove ASU from car

2. RECEIVING INSPECTION

- a. ASU 0-101741 - S/N 017 Receipt date 08/10/2018
- b. Air end s/n MR3HNA-2016
- c. Relatively heavy dust presipitate as a result of light oil leakages / exhaust spray on various parts of unit.
- . see photos N:/photos/R#/photos/R-001066.

3. DETAILED INSPECTION

- a. The compressor hub was spinning on the shaft and not making air. The shaft key had dislodged and was found between the motor and the compressor shaft.
- b. The ASU foot bumper (1 piece) was damaged.

4. HISTORY

- a. The unit was initially built and tested by Marc Mitchell on 10/28/2016 and final inspection on 10/31/2016.
- b. FCN 17-005 completed on November 29 by Jason Kelly

Corrective Action:

1. REPAIR ACTIONS

- a. Required replacement of the following parts covered by warranty:
 - V-000958 compressor hub
 - 9-000344 rubber bumper
- b. Required the following labor covered by warranty:
 - 1/2 hour inspection
 - 2 hours teardown
 - 1 hour repair & reassembly

Inspector	Matthew O.	Inspection Date	08/10/2018	cinspectREPAIR
-----------	------------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000009092	08/10/2018	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	019129 0001	Customer ID	BOM006		
Part Number	Part Description	Customer Ref			
R-001066	Return BART ASU S/N 017				
<p>2 hours testing</p> <p>2. FINAL FUNCTIONAL TEST</p> <p>a. Procedure A-ASU-032-03</p> <p>b. Results: PASS 10/16/2018 CT</p> <p>c. Pump up 0 - 136 psi 2 min 38 seconds</p>					
Inspector	Matthew O.		Inspection Date	08/10/2018	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009305	10/26/2018	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019464 0001	Customer ID	BOM006	
Part Number	Part Description	Customer Ref		
R-001067	Return BART ASU S/N 021			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. Problem statement : Spewing oil out of fitting, per Technician

2. RECEIVING INSPECTION

- a. Oil leaking from over-pressure relief valve on air end due to twist cap on pressure relief valve being open.
- b. Air filter service indicator broken
- c. Oil sample taken and sent out for analysis

3. INTERNAL INSPECTION

- a. Minimum Pressure Valve set at 150 psi
- b. Diverter Valve set at 130 psi
- c. 360 running hours recorded on VSD

4. HISTORY

- a. Sold on 1/30/2017
- b. FCN 17-005 completed by Jason Kelley (BT) on 12/20/2017

Corrective Action:

1. REPAIR ACTIONS

- a. Required replacement of the following parts covered by warranty:

4-000062 air filter service indicator

9-000376 compressor oil, V-Life Premium

- b. Required the following labor covered by warranty:

Topped off oil

Closed knob on pressure relief valve on air end

Adjusted MPV from 150 to 120 psi

Adjusted DV from 130 to 145 psi

Replaced air filter service indicator

confirmed run time & dryer cycle time

Inspector	DPF	Inspection Date	10/26/2018	cinspectREPAIR
-----------	-----	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000009305	10/26/2018	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	019464 0001	Customer ID	BOM006		
Part Number	Part Description	Customer Ref			
R-001067	Return BART ASU S/N 021				
<p>2. FINAL INSPECTION</p> <p>a. Work done by West Coast Compressor, Mark Bonham, 10/18/18</p> <p>b. Record of MTE acceptance test not provided</p>					
Inspector	DPF		Inspection Date	10/26/2018	cinspectREPAIR



SERVICE REPORT FORM

Bay Area: 925-454-1640

Toll Free: 866-326-6586

Website: www.wccompressor.com

E-Mail: service@wccompressor.com

Tech Name(s): mark bonham		Date: 10-18-2018			
Customer Name: mattei		Location/Asset: our shop		Job#: 35394a	
Street Address: 203 wrightbrothers way				P.O. #:	
City: livermore		State: CA		Zip: 94550	
Customer Email:		2nd Contact:		Phone#:	
Compressor Make: Mattei		Model #: rvm 20		Serial #: mta 0-101741 021	

RECORD WITH UNIT RUNNING AT FULL TEMPERATURE AND LOADED

Loaded Pressure P1	Unloaded Pressure P1	Line Pressure P2	Injection Oil Pressure P3	Oil Filter Pressure P4	1st Stage Temp T1	2nd Stage Temp T2	Oil Temp T3	Interstate Air Temp T4	Differential Pressure DP1
		130-145	n/a	n/a	n/a	n/a	160	n/a	n/a
Differential Pressure DP2	Differential Pressure DP3	Total Hours	Loaded Hours	Oil Level	Oil Filter Condition	Air Filter Condition	Inter Cooler Drain Functioning	After Cooler Drain Functioning	Storage Tank Gallons
n/a	n/a	360	n/a	Full	N/A	Clean	N/A	N/A	N/A
Ambient Temp: 88		Room Condition: Clean		Water Flow GPM: n/a					
Water Temp In/Out: n/a		Water Pressure In/Out: n/a		Main Motor HP: N/A		Voltage: 208 v			
Main Motor Amps: 18.5		Service Factor: n/a		Service Factor Amps: n/a					
FL Voltage		Main Motor Amps		Oil Pump Amps		Fan Amps			
Line 1-2	210	Line 1	15.6	Line 1	n/a	Line 1	n/a		
Line 1-3	210	Line 2	15.5	Line 2	n/a	Line 2	n/a		
Line 2-3	210	Line 3	15.6	Line 3	n/a	Line 3	n/a		

DESCRIPTION OF WORK:

at shop to test run and evaluate mattei compressor. customer states oil spewing out of a fitting (they tagged it). pulled oil sample and topped off oil. hoked up compressor and started to check for leaks and operation. found oil leak at safety valve on sump tank due to twist pressure relief knob opened. closed knob no more leak. checked minimum pressure at start up (150 psi) adjusted to 120. air diverter valve set at 130 psi adjusted to 145. took volt readings. pulled amp readings. found broken air filter service indicator. installed new indicator. confirmed 5 minute run time and 1 minute cycle on dryer. all looks good at this time.

PM CHECKLIST Check all that apply

Change Air Filter	N/A	Rec Volts & Amps	Yes	Inspect Control Systems	Yes	Check Line Filters	N/A
Change Oil Filter	N/A	Rec. Temp	Yes	Clean Cooler	N/A	Check Air Dryer	N/A
Change Separator	N/A	Clean Scavenge Line	N/A	Check for Unusual Noises and Vibrations	Yes	Verify All Drains are Working Properly	N/A
Change Oil	N/A	Clean Condenser Coil	N/A	Test Run Unit	Yes	Check OWS	N/A
Take Oil Sample	Yes	Clean Unit	Yes	Rec Follow Up	N/A	Check Tank for Water	N/A
Other							

Qty.	Part #	Description	Stock	Qty.	Part #	Description	Stock
1	x002350	service indicator	CUSTOMER	N/A			N/A
N/A			N/A	N/A			N/A
N/A			N/A	N/A			N/A
N/A			N/A	N/A			N/A
N/A			N/A	N/A			N/A
N/A			N/A	N/A			N/A
N/A			N/A	N/A			N/A

I acknowledge that the above work was completed:

Customer Signature:	Print Name: MARK	Date: 10-18-18
---------------------	------------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009363	11/21/2018	Accept Qty		<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019571 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001073	Return BART ASU S/N 015			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. ship to MATTEI because of an oil leak.
- b. was installed on car 3005 until its removal because of an oil leak. Car 3005 has not reached 900 hours, so no maintenance has been done on the ASU.

2. RECEIVING INSPECTION

- a. Fitting at pressure gauge is loose
- b. Tubing at air diverter valve leaking at housing
- c. Oil / air cooler clogged

3. HISTORY

- a. Sold on 9/19/2018

Corrective Action:

1. REPAIR ACTIONS

- a. Required replacement of the following parts covered by warranty:

0-101995 Tube assembly, diverter valve return

- b. Required the following labor covered by warranty:

Remove gauge and fitting, clean, reinstall

Replace diverter valve return tube assembly

Remove oil/air cooler assembly and pressure wash

Clean ASU thoroughly

2. FINAL FUNCTIONAL TEST

- a. Procedure A-ASU-032-03
- b. Results: PASS 11/1/2018 MB (WCC)

Inspector		Inspection Date	/ /	cinspectREPAIR
-----------	--	-----------------	-----	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009307	10/26/2018	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019466 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001082	Return BART ASU S/N 014			

Criteria:

GENERAL REQUIREMENTS

- 1) Inspect for workmanship and condition.
- 2) Check manufacturer's part number.
- 3) Certificate of Compliance to be supplied with shipment.

Discrepancy:

1. REPORTED PROBLEM
 - a. CAR: 3001
 - b. Problem statement: Air compressor oil leak.
 - c. RMA requested by Mark Caravayo - Logistics Technician.
2. RECEIVING INSPECTION
 - a. Took oil sample, sent for analysis
 - b. Seal washer at fill plug seeping
3. INTERNAL INSPECTION
 - a. Topped off oil
 - b. 583 running hours on VSD
4. HISTORY
 - a. Sold on 12/22/2015
 - b. Returned on RMA R-000986 for for FCNs 16-001, 16-002, 16-003, 16-006, 16-007, 16-008, and 16-009, returned to customer on 6/22/2017
 - c. FCN 17-005 completed by Fernando Fernandez (BT) on 11/29/2017
 - d. FCN 17-005 completed by Clint Thomas (MTE) on 8/28/2018

Corrective Action:

1. REPAIR ACTIONS
 - a. Required replacement of the following parts under warranty
 - V-001000 oil fill plug seal washer
 - V-001005 oil fill plug seal washer
 - 9-000376 compressor oil, V-Life Premium
 - b. Required the following labor covered by warranty
 - wiped down compressor
 - pulled oil sample, topped off oil
 - replaced seal washer on oil fill plug
 - adjusted DV pressure from 155 to 145 psi
2. FINAL FUNCTIONAL TEST
 - a. Work completed by West Coast Compressors, Mark Bonham, 10/17/18

Inspector	DPF	Inspection Date	10/26/2018	cinspectREPAIR
-----------	-----	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009307	10/26/2018	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019466 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001082	Return BART ASU S/N 014			

b. MTE acceptance test results not provided

Inspector	DPF	Inspection Date	10/26/2018	cinspectREPAIR
-----------	-----	-----------------	------------	----------------



SERVICE REPORT FORM

Bay Area: 925-454-1640

Toll Free: 866-326-6586

Website: www.wccompressor.com

E-Mail: service@wccompressor.com

Tech Name(s): mark bonham		Date: 10-17-2018			
Customer Name: mattei		Location/Asset: our shop		Job#: 35394	
Street Address: 203 wrightbrothers way				P.O. #:	
City: livermore		State: CA		Zip: 94550	
Customer Email:		2nd Contact:		Phone#:	
Compressor Make: Mattei		Model #: rmv 20		Serial #: mta 0-101741 014	

RECORD WITH UNIT RUNNING AT FULL TEMPERATURE AND LOADED

Loaded Pressure P1	Unloaded Pressure P1	Line Pressure P2	Injection Oil Pressure P3	Oil Filter Pressure P4	1st Stage Temp T1	2nd Stage Temp T2	Oil Temp T3	Interstate Air Temp T4	Differential Pressure DP1
		130-145	n/a	n/a	n/a	n/a	165	n/a	n/a
Differential Pressure DP2	Differential Pressure DP3	Total Hours	Loaded Hours	Oil Level	Oil Filter Condition	Air Filter Condition	Inter Cooler Drain Functioning	After Cooler Drain Functioning	Storage Tank Gallons
n/a	n/a	583	n/a	Full	N/A	Clean	N/A	N/A	30 Gallon
Ambient Temp: 83		Room Condition: Clean		Water Flow GPM: n/a					
Water Temp In/Out: n/a		Water Pressure In/Out: n/a		Main Motor HP: N/A		Voltage: 208 v			
Main Motor Amps: 18.5		Service Factor: n/a		Service Factor Amps: n/a					
FL Voltage		Main Motor Amps		Oil Pump Amps		Fan Amps			
Line 1-2	210	Line 1	15.5	Line 1	n/a	Line 1	n/a		
Line 1-3	210	Line 2	15.2	Line 2	n/a	Line 2	n/a		
Line 2-3	210	Line 3	15.3	Line 3	n/a	Line 3	n/a		

DESCRIPTION OF WORK:

at shop to test run and evaluate mattei compressors. customers states oil leak. wipe down compressor. spent most of day setting up low and high voltage power. prepping 30 gal air receiver. getting discharge line made. hooking up and test running compressor to get a base line. called talked to clint at mattei for proper settings and helpful info. pulled oil sample then topped off oil to max fill line (oil was below min line). started compressor to check for leaks and operation. found washer seal at fill plug seeping under pressure. replaced with one off truck. found minimum pressure set correctly (120). found air diverter valve set to high (155). set adv at 145. took volt readings pulled amp readings (looks good). confirmed 5 min run time and 1 min cycle time on dryer. all looks good at this time.

PM CHECKLIST Check all that apply

Change Air Filter	N/A	Rec Volts & Amps	Yes	Inspect Control Systems	Yes	Check Line Filters	N/A
Change Oil Filter	N/A	Rec. Temp	Yes	Clean Cooler	N/A	Check Air Dryer	N/A
Change Separator	N/A	Clean Scavenge Line	N/A	Check for Unusual Noises and Vibrations	Yes	Verify All Drains are Working Properly	N/A
Change Oil	N/A	Clean Condenser Coil	N/A	Test Run Unit	Yes	Check OWS	N/A
Take Oil Sample	Yes	Clean Unit	Yes	Rec Follow Up	N/A	Check Tank for Water	N/A
Other							

Qty.	Part #	Description	Stock	Qty.	Part #	Description	Stock
1	mmmps	fill plug seal washer	TRUCK	N/A			N/A
N/A	mmmps	fittings	STORE	N/A			N/A
N/A	mmmps	discharge hose	STORE	N/A			N/A
N/A			N/A	N/A			N/A
N/A			N/A	N/A			N/A
N/A			N/A	N/A			N/A
N/A			N/A	N/A			N/A

I acknowledge that the above work was completed:

Customer Signature:	Print Name: MARIK	Date: 10-17-18
---------------------	-------------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009376	12/05/2018	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019592 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001087	Return BART ASU S/N 013			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. ' No visible oil engaged in air compressor and compressor never slowed down"
- b. BT Work Order 7117323 "ASU Oil Leak" complains "Oil level was low and a lot of dirt and oil near drier assembly. Cleaned up and operated ASU 3 times until automatic shut off. No traces of fresh oil anywhere."

2. RECEIVING INSPECTION

- a. ASU 0-101741 - S/N 013 Receipt date 12/05/2018
- b. Air end s/n CKTUBS-2014
- c. Relatively heavy dust precipitate on various parts of compressor.
- d. Filters are free from oil and slight dirt is commensurate with operational run.
- e. See photos N:/photos/R#/photos/R-001087.

3. DETAILED INSPECTION

- a. No oil in sump
- b. No maintenance has been done
- c. 11 EF3 (compressor over-temp) codes in fault log indicate ASU had faulted 11 times, which would have caused it to stop 11 times. This fault can only be reset by turning off power to the ASU for more than 15 seconds.
- d. Heavy metal dust found in oil remaining in sump.
- e. Oil in sump has burnt smell.
- f. Blades are damaged.
- g. Stator is damaged.
- h. Oil separator is saturated.
- i. Motor bearings are worn: Drive end is noisy, non-drive end is noisy and wobbly.
- j. Internal inspection of motor indicates water penetration.
- k. Heat exchanger fins are clogged.
- l. Oil carried throughout system, contaminated dryer.
- m. Oil drain valve is leaking.
- n. Oil test result indicates heavy white metal, high silicon, high water.

4. HISTORY

- a. The unit was initially built and tested by MM on 12/21/2015 and invoiced on 12/22/2015.
- b. R-000952 cut O-Ring in dryer 8/18/2016

Inspector	Matthew O.	Inspection Date	12/07/2018	cinspectREPAIR
-----------	------------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009376	12/05/2018	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019592 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001087	Return BART ASU S/N 013			
<p>c. R-000990 FCNs 16-001, 16-002, 16-003, 16-006, 16-007, 16-008, and 16-009 8/9/2017</p> <p>d. R-001027 complaint was run-on time, replaced oil tubes, air intake hose, FCN17-005 1/30/2018</p> <p>d. FCN17-005 onsite CT 8/28/2018</p> <p>5. WARRANTY STATUS</p> <p>a. This failure is not covered by warranty.</p> <p>b. The air end ran low on oil, possibly due to the leaking drain valve. When the oil level got low, the compressor ran hot which led to oil passing out of the air end into the dryer, where it sprayed out of the silencers and coated the bottom of the machine. Eventually the air end ran low enough on oil and hot enough to generate an over-temperature fault and stop. Repeated resetting of the fault and running the compressor without oil caused irreparable damage to the air end and motor.</p>				
<p>Corrective Action:</p> <p>1. REPAIR ACTIONS</p> <p>a. Required replacement of the following parts not covered by warranty</p> <p>0-101650 Air filter kit</p> <p>0-101435 Desiccant kit, twin tower dryer</p> <p>3-000755 Gasket, dryer electronics module</p> <p>0-101796 Solenoid valve, air dryer, 36VDC</p> <p>6-000055 gasket, dryer power connector</p> <p>6-000168 O-Ring, dryer check valve (2)</p> <p>6-000167 O-Ring, dryer solenoid valve (2)</p> <p>0-101751 Air end S/N 10003188</p> <p>0-101752 Motor S/N 719667 B18 021</p> <p>4-000715 Drain valve</p> <p>9-000376 Compressor oil, 4L</p> <p>b. Required the following labor not covered by warranty</p> <p>Incoming inspection, photos, oil sample</p> <p>Clean</p> <p>Fill with oil</p> <p>Incoming test</p> <p>Drain oil</p> <p>Remove and disassemble air end</p> <p>Remove and disassemble motor</p> <p>Remove and rebuild dryer</p> <p>Install new motor</p> <p>Install new air end</p> <p>Install rebuilt dryer</p> <p>Fill with oil</p> <p>Test</p> <p>Final inspection</p> <p>Repair write-up and administration</p>				
Inspector	Matthew O.		Inspection Date	12/07/2018
				cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000009376	12/05/2018	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	019592 0001	Customer ID	BOM021		
Part Number	Part Description	Customer Ref			
R-001087	Return BART ASU S/N 013				
<p>9 hours troubleshooting / Repair 5.5 hours cleaning & assembly 0.5 hours QC 1 hr administration</p> <p>2. FINAL FUNCTIONAL TEST</p> <p>a. Procedure A-ASU-032-03</p> <p>b. Results: PASS 1/29/19 CT</p> <p>c. Pump up 0-135 psi 2 min. 42 sec.</p>					
Inspector	Matthew O.		Inspection Date	12/07/2018	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009489	02/12/2019	Accept Qty		<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019754 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001093	Return BART ASU S/N 031			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. Customer complaint is "Oil Leak"
- b. Needs FCN 17-005

2. RECEIVING INSPECTION

- a. Unit sent to West Coast Compressor December 11, 2018
- b. Service report date is December 26, 2018 by Mark Bonham
- c. Oil level down 1/4
- d. Oil sample taken

3. DETAILED INSPECTION

- a. DV is set too high, MPV set too low (100 psi)
- b. Oil sample result shows contamination by Silicon. This is common on the first oil used in a machine. The contaminant is probably assembly lubricant. We are not concerned at this time.

4. HISTORY

- a. Sold on September 1, 2017

Corrective Action:

1. REPAIR ACTIONS

- a. Required the following labor covered by warranty
 - FCN 17-005 completed
 - Oil topped off
- b. Required the following material covered by warranty
 - Compressor oil, V-Life Premium, 1L

Unit returned to BT San Francisco yard on January 29, 2019

Inspector		Inspection Date	/ /	cinspectREPAIR
-----------	--	-----------------	-----	----------------



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
YZHJRZ (031)
Component
MTE RVM20 Compressor
Fluid
V-LIFE PREMIUM (4 LTR)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

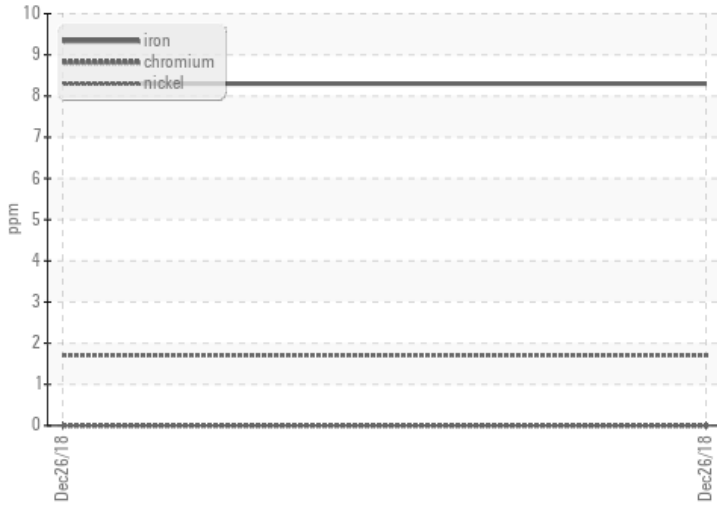
Elemental level of silicon (Si) above normal.

FLUID CONDITION

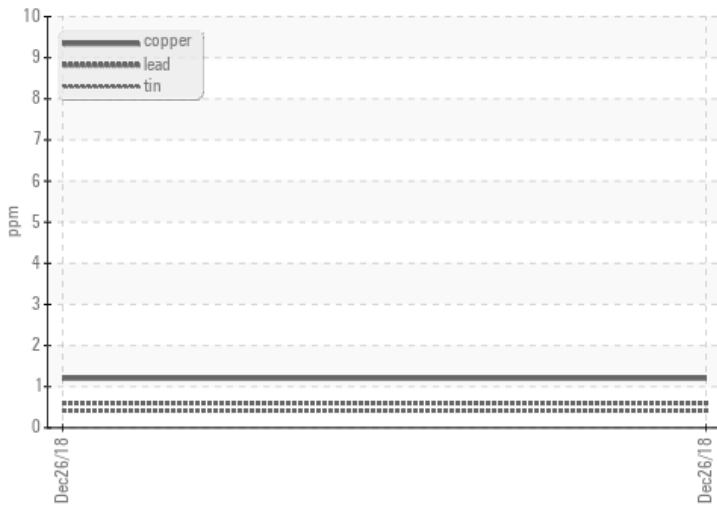
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number				AN35357	---	---
Sample Date				26 Dec 2018	---	---
Machine Age	hrs			2038	---	---
Oil Age	hrs			2038	---	---
Filter Age	hrs			0	---	---
Oil Changed				Not Chngd	---	---
Filter Changed				N/A	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>50	8	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m		2	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	4	---	---
Lead	ppm	ASTM D5185m	>25	<1	---	---
Copper	ppm	ASTM D5185m	>50	1	---	---
Tin	ppm	ASTM D5185m	>15	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Babbitt	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>25	▲ 244	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water	%	ASTM D6304	>0.1	0.032	---	---
ppm Water	ppm	ASTM D6304	>1000	320	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Sodium	ppm	ASTM D5185m		8	---	---
Boron	ppm	ASTM D5185m		<1	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		4	---	---
Calcium	ppm	ASTM D5185m		<1	---	---
Phosphorus	ppm	ASTM D5185m		1418	---	---
Zinc	ppm	ASTM D5185m		8	---	---
Sulfur	ppm	ASTM D5185m		17	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.113	---	---
Visc @ 40°C	cSt	ASTM D445		81.59	---	---

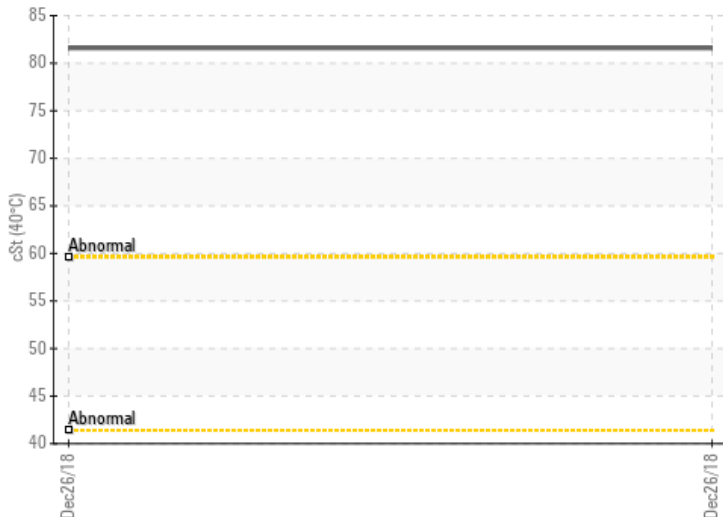
Ferrous Alloys



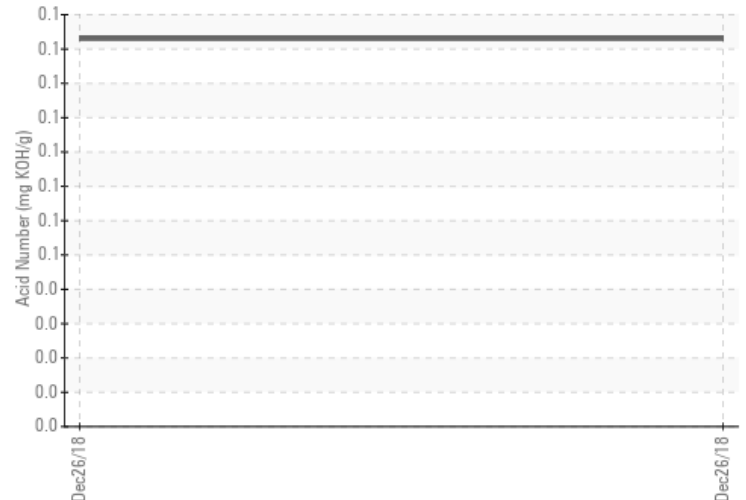
Babbitts



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AN35357
Lab Number : 04646777
Unique Number : 8488213
Test Package : IND 2

Received : 08 Feb 2019
Diagnosed : 11 Feb 2019
Diagnostician : Jonathan Hester

* - Denotes test methods that are outside of the ISO17025 scope of accreditation.
 To discuss diagnosis or test data, contact Technical Support at 1-800-237-1369.
 To change component or sample information, contact Customer Service at 1-800-237-1369.

MATTEI COMPRESSORS--OEM
 9635 LIBERTY ROAD, SUITE E
 RANDALLSTOWN, MD
 USA 21133
 Contact: MARTY WARD
 jward@matteicomp.com
 T: (410)521-7020
 F: (410)521-7024

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009467	01/29/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019702 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001098	Return BART ASU S/N 038			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. RMA Requested 1/23/2019 Mark Caravayo
- b. Oil leak
- c. Installed on car 4022 on 2018-08-14, failed on 2019-01-22, was not in service long enough to have a PM.
- d. Root Cause Analysis 071002797 requested.

2. RECEIVING INSPECTION AT WEST COAST COMPRESSORS.

- a. ASU 0-101741 - S/N 038 Receipt date 01/25/2019
- b. Air end s/n 577ULY-2017

3. DETAILED INSPECTION

- a. Report from WCC indicates the ORV failed
- b. Unit is coming back to MTE for repair
- c. Air/oil separator element was removed to use in repair of ASU S/N 008.

3B. MTE DETAILED INSPECTION

- a. Reported problem - " No separator and broken oil return filter"
- b. Receipt date: - 02/19/2019.
- c. Oil reasonably filled to within level.
- d. Damaged ORV valve and oil sample attached to unit.
- e. Gasket at drain valve of oil / air cooler is missing
- f. See pictures at N:\Photos\R-#Returns\R-001098

4. HISTORY

- a. The unit was initially built and tested by Clint on 10/13/2017.

Corrective Action:

1. REPAIR ACTIONS / / DESCRIPTION OF ACTIONS TAKEN COVERED BY WARRANTY

- a. Replaced air end after bolt broke off in sump during reassembly
- b. Replaced oil / air cooler (moved tube fittings from old to new)
- c. Replaced oil drain valve

Inspector	Matthew O.	Inspection Date	01/30/2019	cinspectREPAIR
-----------	------------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000009467	01/29/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	019702 0001	Customer ID	BOM021		
Part Number	Part Description	Customer Ref			
R-001098	Return BART ASU S/N 038				
<p>2. PARTS USED COVERED BY WARRANTY</p> <p>a. 0-101751 Air Compressor 10003183 installed, 577ULY removed</p> <p>b. 4-000646 oil / air cooler</p> <p>c. 4-000715 oil drain valve</p> <p>3. FINAL FUNCTIONAL TEST</p> <p>a. Procedure A-ASU-032-03</p> <p>b. Results: PASS 3/25/2019 CT</p> <p>c. Pump up 0-135 psi 2 minutes 47 seconds</p>					
Inspector	Matthew O.		Inspection Date	01/30/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009466	01/29/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019701 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001099	Return BART ASU S/N 072			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. oil leak
- b. CAR: 3020

2. RECEIVING INSPECTION AT WEST COAST COMPRESSORS

- a. ASU 0-101741 - S/N 072 Receipt date 01/28/2019
- b. Air end s/n MRR27T-2018
- c. oil sample taken
- d. 64 hours on VSD

3. DETAILED INSPECTION

- a. oil/air separator looks good

4. HISTORY

- a. The unit was initially built and tested by Clint on 08/24/2018.

Corrective Action:

1. REPAIR ACTIONS TAKEN

- a. cleaned oil return valve
- b. replaced desiccant filters
- c. MPV and DV adjusted to spec

2. MATERIALS USED

- a. 0-101435 Desiccant kit, twin tower dryer

3. FINAL FUNCTIONAL TEST

- a. Procedure A-ASU-032-03
- b. Results: PASS 2/11/2019 MB (WCC)
- c. Tun time until compressor stop 4 minutes 58 seconds

Inspector	Matthew O.	Inspection Date	01/30/2019	cinspectREPAIR
-----------	------------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009491	02/12/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019759 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001100	Return BART ASU S/N 050			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. RMA requested 2/5/2019 Mark Caravayo
- b. Oil leak
- c. installed on car 4026 on 2018-10-11, failed on 2019-02-13, was not in service long enough to have a PM.
- d. Root Cause Analysis 071002797 requested

2. RECEIVING INSPECTION AT WEST COAST COMPRESSOR

- a. Unit initially received at West Coast Compressor 2/8/19

3. DETAILED INSPECTION AT WCC

- a. Report from WCC: ORV Failed
- b. Unit is coming back to MTE

2B. RECEIVING INSPECTION AT MTE

- a. Received at MTE on 02/19/2019.
- b. Compressor N8ETJY
- c. No oil observed in the Air End.
- d. ASU air outlet connection tree damaged / bent and resilient mount column slightly deformed.
- e. Oil observed on underside of compressor, duct, and intake filter housing
- f. Broken ORV attached.
- g. See pictures at N:\Photos\R-#Returns\R-001100

3B. DETAILED INSPECTION AT MTE

- a. Unable to run compressor because of broken oil return valve
- b. Damage to air outlet connection tree and resilient mount column extended to the frame between the two. Frame must be replaced.
- c. Air intake hose needs to be replaced.
- d. Evidence of oil spray around underside of machine indicates primary mode of failure is oil carryover.
- e. The oil carryover was probably caused by the broken oil return valve.

4. HISTORY

- a. The unit was initially built and tested by Clint on 03/20/2018.

Corrective Action:

Inspector	Matthew O.	Inspection Date	02/19/2019	cinspectREPAIR
-----------	------------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009491	02/12/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019759 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001100	Return BART ASU S/N 050			
<p>1. REPAIR ACTIONS / / DESCRIPTION OF ACTIONS TAKEN</p> <ul style="list-style-type: none"> a. The air supply unit was cleaned and disassembled. b. The compressor was disassembled further and the internals were cleaned. c. The oil/air cooler and dryer were air purged. d. The dryer canisters and silencers were replaced. e. The air supply unit was rebuilt onto a new frame. <p>2. PARTS USED</p> <ul style="list-style-type: none"> a. 3-000814 Frame #061 removed, #125 installed b. 0-101767 Tube assembly, dryer out c. V-001099 Oil return valve d. 0-101769 dryer canisters x2 e. 0-101671 air intake hose assembly f. 4-000776 dryer silencers x2 g. miscellaneous small hardware on frame <p>3. FINAL FUNCTIONAL TEST</p> <ul style="list-style-type: none"> a. Procedure A-ASU-032-03 b. Results: PASS 3/28/2019 CT c. Pump up 0-135 psi 2 minutes 38 seconds 				
Inspector	Matthew O.	Inspection Date	02/19/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009532	03/07/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019852 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001103	Return BART ASU S/N 055			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. Oil Leak
- b. Installed on car 3018 on 2018-10-11, failed on 2019-02-13, was not in service long enough to have a PM.
- c. Root Cause Analysis 071002763 requested

2. RECEIVING INSPECTION

- a. Reported problem - " Oil Leak"
- b. Receipt date: - 03/07/2019.
- c. Compressor S/N TCKL0E
- d. Oil not observed in the air end even when the unit is tilted.
- e. Oil observed at the heat exchanger oil outlet and the air intake tube connection points.
- f. Oil observed in air intake filter housing
- g. Air intake filter elements are clean
- h. See pictures at N:\Photos\R-#Returns\R-001103

3. DETAILED INSPECTION

- a. Verified unit is passing a lot of oil
- b. Oil return valve is clogged
- c. Separator element is saturated

4. HISTORY

- a. The unit was initially built and tested by Clint on 03/20/2018.

Corrective Action:

1. REPAIR ACTIONS

- a. Required replacement of the following parts under warranty:
 - V-000891 Oil / air separator element
 - V-001099 Oil Return Valve
 - V-001007 O-Ring
 - 0-101679 Desiccant canister (x2)
 - 4-000776 Dryer silencer (x2)
 - 9-000344 Rubber bumper

Inspector	Matthew O.	Inspection Date	03/08/2019	cinspectREPAIR
-----------	------------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000009532	03/07/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	019852 0001	Customer ID	BOM021		
Part Number	Part Description	Customer Ref			
R-001103	Return BART ASU S/N 055				
<p>b. Required the following labor under warranty:</p> <ul style="list-style-type: none"> Air / oil separator element replaced Oil return valve replaced Heat exchanger removed and cleaned Dryer removed and cleaned 3 hours teardown & inspection 2 hours cleaning 4 hours assembly 4 hours testing <p>2. FINAL FUNCTIONAL TEST</p> <ul style="list-style-type: none"> a. Procedure A-ASU-032-03 b. Results: PASS 4/15/2019 CT c. Pump up 0-135 psi 2 minutes 47 seconds 					
Inspector	Matthew O.		Inspection Date	03/08/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009596	04/01/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019983 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001111	Return BART ASU S/N 054			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. "Oil leak"
- b. Installed on car 4025 on 09/19/2018 and failed on 03/14/2019, was not service long enough to have PM.

2. RECEIVING INSPECTION

- a. Picked up by West Coast Compressors
- b. BT P/N 520078970

3. DETAILED INSPECTION

- a. Arrived very low on oil
- b. 422 running hours on VSD
- c. Air intake hose saturated with oil and deteriorating
- d. Secondary air intake filter element had been installed backwards (this would prevent air flow)
- e. ASU very dirty; grime concentrated at sump over-pressure relief valve.
- f. Over-pressure relief valve had been opened manually - possibly the cause of the trouble.
- g. Oil return valve is good
- h. air/oil separator element is good

4. HISTORY

- a. The unit was initially built and tested by CT on 03/12/2018.

Corrective Action:

1. REPAIR ACTIONS

- a. Required the following material not covered by warranty
 - 4 liters Mattei V-Life Premium compressor oil
 - Air intake hose assembly
- b. Required the following labor not covered by warranty
 - pick up at BT storage yard
 - Initial evaluation
 - Remove and replace heat exchanger

Inspector	Matthew O.	Inspection Date	04/02/2019	cinspectREPAIR
-----------	------------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000009596	04/01/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	019983 0001	Customer ID	BOM021		
Part Number	Part Description	Customer Ref			
R-001111	Return BART ASU S/N 054				
<p> Washing everything Tightening the sump over-pressure valve Refilling oil Testing Delivery to BT storage yard </p>					
Inspector	Matthew O.		Inspection Date	04/02/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009595	04/01/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019982 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001112	Return BART ASU S/N 036			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. Reported problem "Oil leak"
- b. Air supply unit purging oil from air exhaust / Low Fluid
- c. Root Cause Analysis 071002820 requested

2. RECEIVING INSPECTION at West Coast Compressor

- a. Receipt date: - 04/01/2019 at West Coast Compressor

3. INTERNAL INSPECTION at West Coast Compressor

- a. Oil sample taken
- b. Oil return valve looks good
- c. Oil / air separator element looks good
- d. Oil at half of sight glass
- e. Topped off oil
- f. MPV at 150 psi - should be 120
- g. Compressor cleaned
- h. VSD shows 1297 running hours
- i. Discharge from dryer not overly oily

2a. RECEIVING INSPECTION AT MTE

- a. Oil fill plug is loose

3a. INTERNAL INSPECTION AT MTE

- a. ASU safety valve leaking and not hand tight
- b. Multiple DWFL codes showing broken hose faults
- c. The safety valve leaking may have been causing the unit to short cycle, leading to heavy oil carryover.
- d. MPV was at 130 psi, should be 120 psi
- e. DV was set at 144 psi, should be 149

4. HISTORY

- a. The unit was initially built and tested by Clint on 09/27/2017.
- b. BART PM procedure E1 10/7/2018

Inspector	Matthew O.	Inspection Date	04/02/2019	cinspectREPAIR
-----------	------------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009595	04/01/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019982 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001112	Return BART ASU S/N 036			
c. Pressure switch setting carried out by Clint at Customer site on 12/13/2018. d. BART PM procedure E2 3/13/2019 led to unit being sent in for service				
Corrective Action: 1. REPAIR ACTIONS AT WCC Reduced setting of MPV from 150 psi to 120 psi Returned unit to MTE for further evaluation 2. REPAIR ACTIONS AT MTE Replaced ASU safety valve MPV adjusted to 120 psi DV adjusted to 149 psi 3. FINAL FUNCTIONAL TEST a. Procedure A-ASU-032-03 b. Results: PASS 4/26/2019 CT c. Pump up 0-135 psi 2 minutes 42 seconds				
Inspector	Matthew O.	Inspection Date	04/02/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009597	04/01/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019984 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001113	Return BART ASU S/N 052			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. Reported problem "Oil leak"

2. RECEIVING INSPECTION

- a. Received at West Coast Compressors
- b. Oil sample taken

3. DETAILED INSPECTION

- a. air/oil separator element checked - okay
- b. oil return valve and exhaust valve filter checked - okay
- c. air intake filter elements checked - okay
- d. minimum pressure valve set at 120 psi - okay
- e. diverter valve set at 140 psi - should be 150
- f. ran machine for one hour - no leaks found

4. HISTORY

- a. The unit was initially built and tested by CT on 03/07/2018.

Corrective Action:

3. REPAIR ACTIONS

- a. set diverter valve to 150 psi

Inspector	Matthew O.	Inspection Date	04/02/2019	cinspectREPAIR
-----------	------------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009602	04/02/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	019990 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001114	Return BART ASU S/N 070			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. Reported problem "Oil leak"

2A. RECEIVING INSPECTION AT WCC

- a. Receipt date: - 04/02/2019

3A. DETAILED INSPECTION AT WCC

- a. Oil is extremely dirty
- b. Oil return filter is broken
- c. Sent to Mattei for further inspection

2B. RECEIVING INSPECTION AT MTE

- a. Received on 4/15/2019
- b. Air end S/N HPS5YK
- c. Unit is extremely dirty
- d. Oil sample received, labeled 388 hours
- e. Air filter elements are clean
- f. Inside of secondary element is clean
- g. Air filter housing is clean on the inside
- h. No oil visible in sight glass
- i. Photos in N:\Photos\R-# Returns\R-001114

3B. DETAILED INSPECTION AT MTE

- a. ORV is broken, brass beads are throughout the compressor
- b. The bushing on comp end shows signs of wear
- c. A few of the blades show signs of wear

4. HISTORY

- a. The unit was initially built and tested by Clint on 08/23/2018.
- b. Unit is covered by warranty

Corrective Action:

1. REPAIR ACTIONS

Inspector	Matthew O.	Inspection Date	04/03/2019	cinspectREPAIR
-----------	------------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000009602	04/02/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	019990 0001	Customer ID	BOM021		
Part Number	Part Description	Customer Ref			
R-001114	Return BART ASU S/N 070				
<p>a. Required replacement of the following parts covered by warranty</p> <p>6-000168 Dryer check valve O-Ring (2)</p> <p>4-000776 Dryer silencer (2)</p> <p>V-001052 Purple spider</p> <p>V-000891 Oil / air separator element</p> <p>V-001099 Oil return valve</p> <p>V-001100 Oil return valve cap</p> <p>V-000965 Oil return valve spring</p> <p>V-001007 Oil return valve O-Ring</p> <p>5-000343 Oil tube flare seals (4)</p> <p>0-101435 Desiccant kit, twin tower dryer</p> <p>b. Required the following labor covered by warranty</p> <p>ASU Cleaning</p> <p>Compressor disassembly & cleaning</p> <p>Compressor thermostat disassembly & cleaning</p> <p>Oil / Air cooler removed and cleaned</p> <p>Dryer removed, disassembled and cleaned</p> <p>ASU rebuilt and tested</p> <p>3 hours teardown</p> <p>3 hours cleaning</p> <p>4 hours assembly</p> <p>2.5 hours testing</p> <p>2. FINAL FUNCTIONAL TEST</p> <p>a. Procedure A-ASU-032-03</p> <p>b. Results: PASS 5/1/2019 CT</p> <p>c. Pump up 0-135 psi 5 minutes 1.21 seconds</p>					
Inspector	Matthew O.		Inspection Date	04/03/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009637	04/17/2019	Accept Qty		<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020065 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001115	Return BART ASU S/N 084			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. Oil Leak

2A. RECEIVING INSPECTION AT WCC

- a. Unit is covered in oil, probably spraying from dryer silencers.
- b. Oil level is very low
- c. See photos in N:\Photos\R-# Returns\R-001115

3A. INTERNAL INSPECTION AT WCC

- a. Oil return valve is broken
- b. Oil/air separator element has what looks like failing inner liner
- c. Unit is returning to MTE for further evaluation and repair

2B. RECEIVING INSPECTION AT MTE

- a. Arrived 4/24/2019
- b. Unit is exceptionally filthy
- c. Oil sample provided by WCC - says 208 Hours
- d. Air end s/n 5X77HD
- e. Air intake filter elements are okay, not great
- f. Air intake filter housing has oil puddled in it

3B. INTERNAL INSPECTION AT MTE

- a. ORV beads found in compressor sump
- b. No damage to rotor blades or stator
- c. Oil / Air cooler fins were clogged (external)
- d. 10 EF3 (Compressor over temp) codes recorded in VSD

4. HISTORY

- a. Built by CT & JW on 5/12/2018
- b. Tested by CT on 8/21/2018
- c. Shipped on 8/24/2018
- d. Unit is covered by warranty

Inspector		Inspection Date	/ /	cinspectREPAIR
-----------	--	-----------------	-----	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009637	04/17/2019	Accept Qty		<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020065 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001115	Return BART ASU S/N 084			

Corrective Action:

1. REPAIR ACTIONS

a. Required replacement of the following parts covered by warranty:

6-000168 Dryer check valve O-Ring (2)
 4-000776 Dryer silencer (2)
 V-001052 Coupling spider element
 V-000891 Oil / air separator element
 V-001099 Oil return valve
 V-000965 Oil return valve spring
 5-000343 Oil tube flare seals (4)
 0-101435 Desiccant kit, twin tower dryer
 0-101650 Air Filter Kit
 6-000199 Enclosure secondary latch pin
 0-101895 Air intake hose

b. Required hte following labor covered by warranty:

Air end disassembled and cleaned
 Air end thermostat rebuilt
 Dryer rebuilt
 Oil / Air cooler removed and cleaned
 ASU reassembled and tested
 2 hours inspection at WCC
 3 hours teardown
 3 hours cleaning
 4 hours assembly
 2.5 hours testing

2. FINAL FUNCTIONAL TEST

- Procedure A-ASU-032-03
- Results: PASS 5/2/19 CT
- Pump up 0-135 psi 2 minutes 37 seconds

Inspector		Inspection Date	/ /	cinspectREPAIR
-----------	--	-----------------	-----	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009648	04/18/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020074 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001116	Return BART ASU S/N 068			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. RMA Requested by Mark Bonham 4/15/2019
- b. Air Compressor Maintenance Alert

2A. RECEIVING INSPECTION at WCC

- a. Unit received 4/18/2019
- b. Oil sample taken
- c. 313 hours
- d. Very low oil

3A INTERNAL INSPECTION AT WCC

- a. Oil return valve broken at base
- b. Possible oil / air separator element damage
- c. Sending unit to MTE for further analysis

2B. RECEIVING INSPECTION AT MTE

- a. Unit received 5/13/2019
- b. Unit received with no evidence of damage.
- c. Oil sample received with unit.
- d. Unit is very oily and dirty especially around the air filter and air filter indicator.
- e. Compressor sight glass has very little oil in it.
- f. Pictures are in: N:\Photos\R-# Returns\R-001116

3. INTERNAL INSPECTION AT MTE

- a. Parts of the oil return valve made throughout the entire oil circuit.
- b. Unit needs a full rebuild.

4. HISTORY

- a. Unit sold on August 27, 2018
- b. Covered by warranty

Corrective Action:

1. REPAIR ACTIONS

Inspector	Kevin N	Inspection Date	05/17/2019	cinspectREPAIR
-----------	---------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009648	04/18/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020074 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001116	Return BART ASU S/N 068			
<p>a. Required the following parts covered by warranty:</p> <p>V-000937 Exhaust valve filter</p> <p>V-001099 Oil return valve</p> <p>V-001007 O-Ring for oil return valve</p> <p>V-001021 O-Ring for oil separator adapter</p> <p>V-001022 O-Ring for oil separator adapter</p> <p>4-000776 Dryer silencers (2)</p> <p>4-000778 Elbow for dryer silencer (1)</p> <p>0-101435 Desiccant canister kit</p> <p>0-101650 Air filter element kit</p> <p>0-102127 DV Upgrade kit</p> <p>b. Required the following labor covered by warranty</p> <p>Thorough cleaning</p> <p>Disassemble ASU</p> <p>Disassemble compressor, clean out, reassemble</p> <p>Disassemble dryer, clean out, reassemble</p> <p>Disassemble oil / air cooler, clean out, reassemble</p> <p>Reassemble ASU</p> <p>Test</p> <p>2. FINAL FUNCTIONAL TEST</p> <p>a. Procedure A-ASU-048-00</p> <p>b. Results: PASS 6/3/2019 CT</p> <p>c. Pump up 0-135 psi: 2 minutes, 37 seconds</p>				
Inspector	Kevin N	Inspection Date	05/17/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009649	04/18/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020075 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001117	Return BART ASU S/N 032			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. RMA requested by Mark Caravayo 4/15
- b. oil leak, low fluid
- c. RMA issued 4/17/2019

2. RECEIVING INSPECTION AT WCC

- a. Picked up at BT Storage Yard 4/17
- b. Oil sample taken
- c. Oily discharge most concentrated around dryer silencers.

3. INTERNAL INSPECTION AT WCC

- a. Inspected air/oil separator element, appeared saturated
- b. Inspected oil return valve/filter, not broken
- c. Checked MPV setting - 120 psi (correct)
- d. Checked DV setting - 145 psi (correct)

4. HISTORY

- a. Built on 8/30/2017 CT/JW
- b. Tested on 8/31/2017 CT
- c. Shipped on 9/1/2017
- d. RMA R-001075 issued 9/11/2018 for low oil relative to number of hours on machine. Machine was cleaned, MPV and DV set to correct values, desiccant canisters were replaced

Corrective Action:

1. REPAIR ACTIONS TAKEN

- a. Air/oil separator replaced
- b. Oil return valve/filter replaced
- c. Desiccant canisters replaced
- d. Ran unit for an hour, confirmed DV and MPV settings were still good, dryer purge was water.

2. MATERIALS USED

- a. 0-102024 Air/oil separator kit

Inspector	DPF	Inspection Date	04/25/2019	cinspectREPAIR
-----------	-----	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000009649	04/18/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	020075 0001	Customer ID	BOM021		
Part Number	Part Description	Customer Ref			
R-001117	Return BART ASU S/N 032				
<p> b. Oil return valve/filter c. Oil return valve/filter spring d. Oil return valve/filter O-Ring e. Desiccant canisters (2) </p> <p> 3. FINAL FUNCTIONAL TEST a. Procedure A-ASU-032-03 b. Results: PASS 4/19/2019 Mark/David (WCC) </p>					
Inspector	DPF		Inspection Date	04/25/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009763	05/16/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020259 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001118	Return BART ASU S/N 009			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. Reported by Mark Caravayo on 4/26/2019
- b. Air Compressor Maintenance Alert

2. INSPECTION AT WCC

- a. Inspected 5/15/2019 MB
- b. Serial number tag missing?
- c. Oil not visible in sight tube
- d. Oil sample was very dirty
- e. ORV is intact
- f. 2063 hours on unit
- g. Pressure gauge loose at elbow
- h. Pressure gauge elbow loose at compressor housing

3. HISTORY

- a. Unit sold on November 17, 2015
- b. R-000985 completed July 20, 2017: FCNs 16-001, 16-002, 16-003, 16-006, 16-007, 16-008, 16-009, VSD replaced
- c. FCN 17-005 completed onsite CT August 28, 2018
- d. Standard warranty has expired, unit is covered under Endemic Defect clause

Corrective Action:

1. REPAIR ACTIONS

- a. Required replacement of the following parts covered by warranty:

0-102024 Service Kit, 3-Month, RVM 12-20
 V-001099 Oil Return Valve
 V-000965 Spring, Oil Return Valve
 V-001007 O-Ring, 4.48 X 1.78 Viton
 0-101435 Desiccant Kit, Twin Tower Dryer
 V-001070 Pressure Gauge, Glycerin-filled

- b. Required the following labor covered by warranty:

Pick up

Inspector	DPF	Inspection Date	05/16/2019	cinspectREPAIR
-----------	-----	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009763	05/16/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020259 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001118	Return BART ASU S/N 009			
<div> <div>Initial evaluation</div> <div>Oil sample taken</div> <div>Separator change</div> <div>ORV change</div> <div>Air intake filter element change</div> <div>Desiccant canister change</div> <div>R&R oil / air cooler</div> <div>Pressure wash oil / air cooler</div> <div>Replace air pressure gauge</div> <div>Clean & reinstall pressure gauge elbow</div> <div>Test</div> <div>Deliver</div> </div>				
Inspector	DPF	Inspection Date	05/16/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009742	05/13/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020238 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001121	Return BART ASU S/N 048			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. RMA requested by Mark Caravayo 4/30/2019
- b. ASU Leaking

2A. RECEIVING INSPECTION AT WCC

- a. Received 5/2/2019
- b. Unit is extremely dirty with oil blow by
- c. Oil return valve is broken
- d. Return to MTE for repair

2B. RECEIVING INSPECTION AT MTE

- a. Received 5/13/2019
- b. Unit received with no evidence of damage.
- c. No oil sample received with unit.
- d. Unit is very oily and dirty especially around the air filter and air filter indicator, cooler and fan are covered in oily dirt.
- e. Compressor sight glass has very little oil in it.
- f. Pictures are in: N:\Photos\R-# Returns\R-001121

3. INTERNAL INSPECTION AT MTE

- a. A lot of water in the sump
- b. Some rust on separator stem
- c. Reuild

4. HISTORY

- a. Unit sold on 2/26/2018
- b. Covered by warranty

Corrective Action:

1. REPAIR ACTIONS

- a. Required the following parts covered by warranty
 - 0-101435 Dryer desiccant kit
 - 4-000776 Dryer silencers (2)

Inspector	KevIn N	Inspection Date	05/17/2019	cinspectREPAIR
-----------	---------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000009742	05/13/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	020238 0001	Customer ID	BOM021		
Part Number	Part Description	Customer Ref			
R-001121	Return BART ASU S/N 048				
<p>4-000728 Elbows for dryer silencers (2)</p> <p>V-000937 Exhaust valve filter</p> <p>V-001099 Oil return valve</p> <p>V-001007 O-Ring for oil return valve</p> <p>V-000965 Spring for oil return valve</p> <p>V-001100 Cap for oil return valve</p> <p>V-000909 Bonded seal for cap of oil return valve</p> <p>V-000891 Oil / air separator element</p> <p>V-001021 O-Ring for separator element adapter</p> <p>V-001022 O-Ring for separator element adapter</p> <p>0-102127 DV upgrade kit</p> <p>0-101650 Air filter element kit</p> <p>b. Required the following labor covered by warranty:</p> <p>Thorough cleaning of ASU</p> <p>Disassemble ASU</p> <p>Disassemble, clean out, reassemble compressor</p> <p>Disassemble, clean out, reassemble oil / air cooler</p> <p>Disassemble, clean out, reassemble dryer</p> <p>Test</p> <p>2. PERFORMANCE TEST</p> <p>a. Procedure A-ASU-048-00</p> <p>b. Results: PASS 6/5/19 CT</p> <p>c. Pump up 0-135 psi: 2 minutes, 41 seconds</p>					
Inspector	Kevin N		Inspection Date	05/17/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009741	05/13/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020237 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001120	Return BART ASU S/N 066			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. RMA Requested by Mark Caravayo 4/30/2019
- b. AIR MAINT. ALERT

2A. RECEIVING INSPECTION AT WCC

- a. Received 5/2/2019
- b. Unit extremely dirty with oil blow by
- c. Oil return valve broken
- d. Send unit to MTE for repair

2B. RECEIVING INSPECTION AT MTE

- a. Received 5/13/2019
- b. Unit received with no evidence of damage.
- c. No oil sample received with unit.
- d. Unit is very oily and dirty especially around the air filter and air filter indicator, cooler and fan are covered in oily dirt.
- e. Compressor sight glass has very little oil in it.
- f. Pictures are in: N:\Photos\R-# Returns\R-001120

3. INTERNAL INSPECTION AT MTE

- a. Air / oil separator element is saturated
- b. Rebuild

4. HISTORY

- a. Unit sold on 8/24/2018
- b. Covered by warranty

Corrective Action:

1. REPAIR ACTIONS

- a. Required the following materials covered by warranty:
 - V-000891 Air / oil separator element
 - V-001021 O-Ring for separator element adapter
 - V-001022 O-Ring for separator element adapter

Inspector	Kevin N	Inspection Date	05/17/2019	cinspectREPAIR
-----------	---------	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009741	05/13/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020237 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001120	Return BART ASU S/N 066			
<p>V-001099 Oil return valve V-001007 O-Ring for oil return valve 4-000776 Dryer silencers (2) 0-101435 Desiccant canister kit V-000937 Exhaust valve filter 0-101650 Air filter element kit 0-102127 DV Upgrade kit</p> <p>b. Required the following labor covered by warranty: Thorough cleaning of ASU Disassemble ASU Disassemble, clean out, reassemble compressor Disassemble, clean out, reassemble oil / air cooler Disassemble, clean out, reassemble dryer Test</p> <p>2. PERFORMANCE TEST a. Test Procedure A-ASU-048-00 b. Results: PASS 6/4/19 CT c. Pump up 0-135 psi: 2 minutes, 41 seconds</p>				
Inspector	Kevin N	Inspection Date	05/17/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009817	05/30/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020365 0003	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001124	Return BART ASU S/N 063			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM
 - a. RMA Requested May 9, 2019 Mark Caravayo
 - b. Oil leak
2. INSPECTION AT WCC
 - a. Received May 15, 2019
 - b. 414 hours on unit
 - c. Air intake tube is oily on outside
 - d. Oil / air cooler has clogged fins
 - e. Oil sample taken
 - f. Signs of heavy oil carryover
3. HISTORY
 - a. Sold on 8/24/2018
 - b. Covered by warranty

Corrective Action:

1. REPAIR ACTIONS
 - a. Required replacement of the following parts covered by warranty:
 - 0-101895 Air intake hose assembly
 - 0-102024 Air / oil separator kit
 - 0-101435 Dessicant kit, twin tower dryer
 - 4-000776 dryer silencer (2)
 - 9-000376 Compressor oil, V-Life Premium (2 liters)
 - b. Required the following labor covered by warranty
 - Replaced air intake hose
 - Cleaned oil / air cooler assembly
 - Replaced oil / air separator element
 - Replaced desiccant cartridges
 - Replaced dryer silencers

Inspector	DPF	Inspection Date	05/30/2019	cinspectREPAIR
-----------	-----	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000009817	05/30/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	020365 0003	Customer ID	BOM021		
Part Number	Part Description	Customer Ref			
R-001124	Return BART ASU S/N 063				
<p>2. FINAL FUNCTIONAL TEST</p> <p>a. Procedure A-ASU-032-03</p> <p>b. Results: PASS 5/23/2019 MB @ WCC</p>					
Inspector	DPF		Inspection Date	05/30/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009779	05/21/2019	Accept Qty		<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020295 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001122	Return BART ASU S/N 087			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM

- a. RMA requested by Mark Caravayo May 9, 2019
- b. Problem statement: Mechanical failure, grinding noise at startup

2. RECEIVING INSPECTION AT WCC

- a. Compressor very low on oil - could cause blade chatter on startup
- b. 257 hours on VSD

3. INTERNAL INSPECTION AT WCC

- a. Oil return valve broke when removing for inspection, may have been broken before removal

4. HISTORY

- a. Sold on November 30, 2018
- b. Unit is covered by warranty

Corrective Action:

1. REPAIR ACTIONS

- a. Required replacement of the following parts covered by warranty:

V-001099 Oil Return Valve

V-001007 O-ring, 4.48 X 1.78 Viton

V-000965 Spring, Oil Return Valve

0-101435 Desiccant Kit, Twin Tower Dryer

9-000376 V-Life Premium, 2 liters

- b. Required the following labor covered by warranty:

TBD, pending invoice from WCC

2. FINAL FUNCTIONAL TEST

- a. Procedure A-ASU-032-03
- b. Results: PASS 5/20/2019 MB @ WCC
- c. Pump up 0-135 psi 5 minutes 00 seconds.

Inspector		Inspection Date	/ /	cinspectREPAIR
-----------	--	-----------------	-----	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009818	05/30/2019	Accept Qty		<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020366 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001125	Return BART ASU S/N 052			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REPORTED PROBLEM
 - a. RMA Requested May 14, 2019 by Mark Caravayo
 - b. Oil leak
2. RECEIVING INSPECTION at WCC
 - a. Oil sample taken
 - b. Oil / air separator element has failed
 - c. Air intake hose has failed
 - d. Oil found in air intake filter housing
 - e. Dryer desiccant fouled
 - f. Dryer silencers need replaced
 - g. 438 hours on VSD
3. HISTORY
 - a. Sold on 3/13/2018
 - b. R-001113 completed 4/2/2019, DV increased from 140 to 150 psi
 - c. Covered by warranty

Corrective Action:

1. REPAIR ACTIONS
 - a. Required replacement of the following parts under warranty
 - Air / oil separator element
 - Air filter elements
 - Air intake hose
 - Dryer silencers (2)
 - Desiccant canisters (2)
 - b. Required the following labor covered by warranty
 - Replace air / oil separator element
 - Replace air filter elements
 - Replace air intake hose
 - Replace dryer silencers

Inspector		Inspection Date	/ /	cinspectREPAIR
-----------	--	-----------------	-----	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009818	05/30/2019	Accept Qty		<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020366 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001125	Return BART ASU S/N 052			
Replace desiccant canisters 2. FINAL FUNCTIONAL TEST a. Procedure A-ASU-032-03 b. Results: PASS 5/21/2019 WCC RB				
Inspector		Inspection Date	/ /	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009824	05/30/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020373 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001127	Return BART ASU S/N 054			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Discrepancy:

1. REASON FOR RETURN

- a. Oil leak
- b. RMA Issued May 21, 2019

2. INCOMING INSPECTION AT WCC

- a. Oil level is low
- b. Dryer silencers need to be replaced
- c. 467 hours on VSD
- d. Oil sample taken

3. INTERNAL INSPECTION AT WCC

- a. Oil return valve is fine
- b. Oil / air separator element is fine
- c. Desiccant filters are fouled

4. HISTORY

- a. The unit was sold on 3/13/2018
- b. Returned on RMA R-001111 April 8, 2019 for sump OPV left open and air intake hose

Corrective Action:

1. REPAIR ACTIONS

- a. Required the following materials covered by warranty
 - 0-101972 compressor oil, V-Life Premium 2L
 - 4-000776 dryer silencers (qty. 2)
 - 0-101435 dryer desiccant kit
- b. Required the following labor covered by warranty
 - Pick up
 - Evaluation
 - Cleaning
 - Replace desiccant canisters
 - Replace dryer silencers

Inspector	DPF	Inspection Date	06/19/2019	cinspectREPAIR
-----------	-----	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000009824	05/30/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	020373 0001	Customer ID	BOM021		
Part Number	Part Description	Customer Ref			
R-001127	Return BART ASU S/N 054				
<p>Top off oil Test</p> <p>2. FINAL FUNCTIONAL TEST</p> <p>a. Procedure A-ASU-032-03</p> <p>b. Results: PASS 5/21/2019 RB (WCC)</p>					
Inspector	DPF		Inspection Date	06/19/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000009967	07/02/2019	Accept Qty	1.00	<input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020603 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001130	Return BART ASU S/N 050			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Evaluation:

1. REPORTED PROBLEM
 - a. Air compressor maintenance alert
 - b. RMA Requested June 4, 2019 Mark Caravayo
2. INCOMING INSPECTION AT WCC
 - a. Separator is OK
 - b. Separator housing is OK
 - c. Oil return valve is OK
 - d. Dryer is OK
 - e. DV and MPV settings are OK
 - f. Oil mist from air intake when pressure surges - possibly bad seal of the DV
 - g. Air intake filter elements are oily
 - h. 221 hours on VFD
4. HISTORY
 - a. Sold on March 21, 2018
 - b. Returned on 4/30/19 R-001100 for broken oil return valve, frame replacement, new air intake hose

Repair:

1. REPAIR ACTIONS AT WCC
 - a. Required replacement of the following parts covered by warranty:
 - 0-102127 DV upgrade kit
 - 0-101650 air filter element kit
 - b. Required the following labor covered by warranty:
 - Evaluation
 - Replace DV
 - Replace intake filter elements
2. FINAL FUNCTIONAL TEST
 - a. Procedure A-ASU-032-03
 - b. Results: PASS 6/17/19 RB WCC

Inspector	DPF	Inspection Date	07/02/2019	cinspectREPAIR
-----------	-----	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000010074	07/31/2019	Accept Qty	1.00	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020764 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001131	Return BART ASU S/N 074			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Evaluation:

1. REASON FOR RETURN
 - a. Air compressor maintenance alert
 - b. RMA Requested by Mark Caravayo June 6, 2019
2. RECEIVING INSPECTION AT WCC
 - a. "customer stated oil leak"
 - b. Oil sample taken
 - c. 292 hours on VSD
3. DETAILED INSPECTION AT WCC
 - a. Oil return valve broken
 - b. Metal shavings in oil sample
 - c. Replacement of air end recommended
4. HISTORY
 - a. Sold on October 12, 2018

Repair:

1. REPAIR ACTIONS
 - a. Required replacement of the following parts covered by warranty:
 - 0-101751 Compressor assembly
 - 9-000376 Compressor oil, V-Life Premium (4L)
 - b. Required the following labor covered by warranty:
 - Truck charge
 - Evaluation
 - Pull oil sample
 - Remove and replace air compressor with new (5WGJJC out, ZP7YEM in)
 - Remove and replace cooler with existing
 - Steam clean cooler
 - Set valves
 - Take second oil sample

Inspector	DPF	Inspection Date	07/31/2019	cinspectREPAIR
-----------	-----	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status	
0000010074	07/31/2019	Accept Qty	1.00	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> C of C	
Trigger Type	Doc # Item	Reject Qty			
Receiver	020764 0001	Customer ID	BOM021		
Part Number	Part Description	Customer Ref			
R-001131	Return BART ASU S/N 074				
<p>Test</p> <p>2. FINAL FUNCTIONAL TEST</p> <p>a. Procedure A-ASU-032-03</p> <p>b. Results: PASS July 19, 2019 RB (WCC)</p>					
Inspector	DPF		Inspection Date	07/31/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000010034	07/19/2019	Accept Qty	1.00	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020696 0002	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001149	Return BART ASU S/N 017			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Evaluation:

1. REASON FOR RETURN

- a. Oil leak

2. INCOMING INSPECTION AT WCC

- a. Oil level low
- b. Oil sample taken
- c. Air intake hose is cut
- d. Test run showed oily air purging out of intake, coating air intake filter elements and the rest of the ASU through the cut in the intake hose.
- e. 994 hours on VSD

3. INTERNAL INSPECTION AT WCC

- a. Oil return valve OK
- b. Separator housing OK
- c. Diverter valve is O-Ring type, should be replaced with flat gasket type.

4. HISTORY

- a. Sent as consignment inventory on December 1, 2016
- b. FCN 17-005 completed 11/29/2017
- b. RMA R-001066 due to compressor hub loosening, returned to customer on 10/17/2018

Repair:

1. REPAIR ACTIONS

- a. Required the following parts covered by warranty:

0-101650 Air filter element kit
 0-102024 Oil / air separator element kit
 0-102127 DV & ACV Upgrade Kit
 0-101435 Desiccant kit, Twin Tower Dryer
 0-101895 Air intake hose
 9-000376 Compressor oil, V-Life Premium, 2L

- b. Required the following time covered by warranty:

truck charge

Inspector	DPF	Inspection Date	07/19/2019	cinspectREPAIR
-----------	-----	-----------------	------------	----------------

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000010034	07/19/2019	Accept Qty	1.00	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020696 0002	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001149	Return BART ASU S/N 017			
<p> evaluation oil sample check ORV and separator housing top off, incoming test run check DV replaced DV valve seat, separator element, desiccant canisters, air intake filter elements, air intake hose adjust DV Test </p> <p> 2. FINAL FUNCTIONAL TEST a. Procedure A-ASU-032-03 b. Results: PASS 7/17/2019 RB (WCC) </p>				
Inspector	DPF	Inspection Date	07/19/2019	cinspectREPAIR

REPAIR REPORT

Inspection #	Date Required	Inspection Qty	1.00	Status
0000010073	07/31/2019	Accept Qty	1.00	<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> C of C
Trigger Type	Doc # Item	Reject Qty		
Receiver	020763 0001	Customer ID	BOM021	
Part Number	Part Description	Customer Ref		
R-001150	Return BART ASU S/N 114			

Criteria:

RETURNED MATERIALS

- 1) Perform visual inspection. Identify condition of unit, damaged or missing parts.
- 2) Photograph points of interest: damage, clogged or dirt which may affect function.
- 3) Collect an oil sample and send for analysis, if available
- 4) Perform functional test.
- 5) Record hours from the variable speed drive, if available
- 6) Record failures captured in the VFD logs and the hours they took place if available

Evaluation:

1. REASON FOR RETURN

- a. Oil leak
- b. RMA Requested by Mark Caravayo on July 10
- c. BT Work Order 7125602
- d. Work order states "ASU overflow valve faulty, discharging around 152 psi

2. INCOMING INSPECTION AT WCC

- a. oil sample taken
- b. DV valve is flat gasket type - no update needed
- c. Oil level OK
- d. Oil return valve OK
- e. 194 hours on VSD

3. DETAILED INSPECTION AT WCC

- a. DV needs to be adjusted

4. HISTORY

- a. Sold on March 6, 2019

Repair:

1. REPAIR ACTIONS

- a. Required the following parts covered by warranty
none
- b. Required the following time covered by warranty
oil sample taken

2. FINAL FUNCTIONAL TEST

- a. Procedure A-ASU-032-03
- b. Results: PASS 7/23/2019 RB (WCC)

Inspector	DPF	Inspection Date	07/31/2019	cinspectREPAIR
-----------	-----	-----------------	------------	----------------